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2.37 The  
MEYER CHISSEY  
AN OLD COMPANY  
Gardens, B.C.



2.37 CHISSEY



Ninth Annual Edition

# The Meyer-Stisser Co.'s Garden Book for 1919



## We Take This Opportunity

of thanking our many customers for their generous patronage in the past, and do assure them that we will continue to do all in our power to merit a continuance of their confidence. Like last year we are again advising all of our customers to **order early**. The greatest trouble this coming season will be the "shortage of help." Do not wait until you actually need your seeds or implements, but kindly send us in your order when you receive a copy of our "1919 Garden Book." In this way you will be served promptly and efficiently. Although at this writing it looks as if the world war might terminate shortly, our Government again will urge all of us to do more intensive sowing and raising of vegetables and other crops, as destitute Europe will surely look to our land of riches for bread and other food supplies. Owing to shortage of help everywhere, all railroads, steamboats and express companies are making very poor deliveries and plenty of time ought to be allowed in having your goods delivered. Our whole efforts and time are unfailingly devoted to uphold the reputation which we have established, and we shall ever be on the alert to support our motto—"Punctuality, Sterling Quality, Courteous Treatment."

## PLEASE READ!

We aim to give our customers the best service possible. If we make an error, tell us about it and we'll make it right to your satisfaction. If there is any information you want in our line of business, write us, (if you can't call), and we shall be glad to give it careful attention. Our various departments are in charge of experts, who are able to answer intelligently almost all inquiries pertaining to horticulture or agriculture. Always write inquiries on a sheet separate from your order; it means quicker reply.

**THE ATTENTION OF OUR CUSTOMERS IS RESPECTFULLY CALLED TO THE FOLLOWING DIRECTIONS,  
WHICH WILL, IF FOLLOWED, BE AN AID TO PURCHASERS AS WELL AS OURSELVES:**

## BUSINESS RULES

### Ordering, Remitting, Accounts, Forwarding, Etc.

**Please Order Early**, thus enabling us to forward promptly—as a rule the day after the order is received. During the March and April rush we may fall a day or two behind; if any greater delay is likely, we will advise.

The Order Blanks accompanying this catalogue will be convenient for customers and facilitate our filling orders (extra ones mailed on request).

**Remittances** should be made by Express Money Order, P. O. Money Order, Bank Draft or Registered Letter.

**Accounts**—Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. Baltimore reference preferred on account of the shorter delay pending investigation.

**We Forward as Customer Directs**, by mail, express, freight or steamer. When no shipping instructions are given we send according to our judgment.

**We Make No Charge for Shipping and Carting** of goods to any railroad station, steamship line or express office in Baltimore.

**Owing to unusual conditions all prices are subject to change without notice.**



C. & P. Phone, St. Paul 6916

**Order by Telephone**—We have installed a most modern system, enabling our customers to receive instant attention. A special staff of experienced salespeople are reserved exclusively for the telephone service, so that our patrons may enjoy intelligent shopping from their homes.

**We Cannot Guarantee the Well-doing** of any seeds, plants or bulbs we send out. We use every effort possible in the selection of our seeds, and feel justified in saying that all our seeds are the purest and best to be found, but at the same time, there being so many things beyond the control of man that spoil the best seeds and cause poor crops, that it is impossible to guarantee seeds. Therefore, The Meyer-Stisser Company give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they must be returned at once.

When seeds are ordered by mail, postage must be added to catalogue prices at the regular parcel post rate, according to the zone the purchaser is in. One quart of Peas and Beans, weighing about 2 lbs. each, and Corn about 1 1/2 lbs. Packages and ounces are mailed postpaid. For parcel post table see inside back cover page.

## REMEDIES AND INSECTICIDES IN LIQUID FORM AND POISONS CANNOT BE SENT BY PARCEL POST.

Prices of seed vary. We quote Market Values upon request and always give our customers the benefit of the lowest price that the market condition will warrant. Special prices on a general list will be given upon application.

## Invitation

All customers and others interested in horticulture or agriculture are cordially invited to visit our establishment, 32 Light Street. Whenever in Baltimore make this store your headquarters and have all letters and telegrams addressed here.

## SPECIAL NOTICE—Positions For Gardeners, Etc.

Our house makes it their business to procure positions for Gardeners, Superintendents, Poultrymen, Farmers and Florists on private or commercial places. Gentlemen wishing to engage the services of men in the above capacity are invited to communicate with us, as we generally have applications on file from desirable parties. Absolutely no obligation is connected with this service.

## ASPARAGUS—Seeds and Roots

(ROOTS READY AFTER MARCH 1st.)

One ounce to forty feet of drill. 5 lbs. per acre.

**Culture**—Sow in March or April, in rows one foot apart. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of two feet. In planting for private use, set out in beds five feet wide, three rows in a bed, the outer being each one foot from the edge, and allow eighteen inches between the rows; set the plants from four to six inches below the surface. If set out in autumn, top-dress with six inches of manure. For market, on a large scale, set out four by one and one-half feet. On the approach of winter cover with manure or compost; fork the beds early in spring, and apply a dressing of salt. Cut for use the second year after planting in permanent bed. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die. Slugs are easily destroyed by applying air-slaked lime or paris-green.

Asparagus Giant Argenteuil

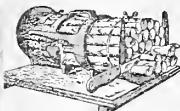
**Giant Argenteuil**—A new and entirely distinct variety that produces shoots that are white, and remain white as long as for use. Pkg., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00; two-year-old plants, 100, \$1.00; 1000, \$7.50.

**Columbian Mammoth White**—Pkg., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.; two-year-old plants, \$1.00 100; \$7.50 1000.

**Conover Colossal**—Of large size, tender and of excellent quality. Green shoots. Pkg., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.; two-year-old plants, \$1.00 100; \$7.50 1000.

**Palmetto**—It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Green shoots. Pkg., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.; two-year-old plants, 75c. 100; \$5.00 1000.

## ACCESSORIES FOR ASPARAGUS CULTURE



**Asparagus Buncher**—Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$3.00.

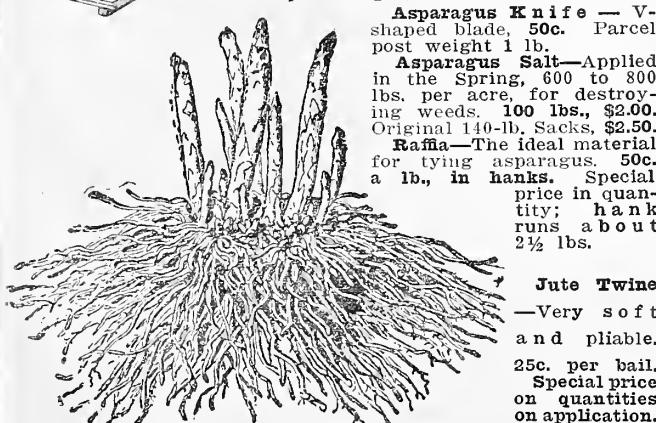
Parcel post weight, 8 lbs.

**Asparagus Knife**—V-shaped blade, 50c. Parcel post weight 1 lb.

**Asparagus Salt**—Applied in the Spring, 600 to 800 lbs. per acre, for destroying weeds. 100 lbs., \$2.00. Original 140-lb. Sacks, \$2.50.

**Raffia**—The ideal material for tying asparagus. 50c. a lb., in hanks. Special price in quantity; hank runs about  $2\frac{1}{2}$  lbs.

**Jute Twine**—Very soft and pliable. 25c. per bail. Special price on quantities on application.



Two-Year-Old Asparagus Plants

## ARTICHOKE

**Large Green Globe**—This is a very delicious vegetable. Some prefer it cooked like asparagus; that is, take the flower head before it begins to open and cook much the same as asparagus. Pkt., 10c.; oz., 50c.

**Artichoke Roots (Jerusalem)**—The tubers roasted or boiled, served with butter, salt and pepper, make a dish some think superior to potatoes. They are most excellent feed for cows, and will cause an increase in quantity and quality of milk.  $\frac{1}{4}$  pk., 35c.; 1 pk., \$1.25; bu., \$3.50.

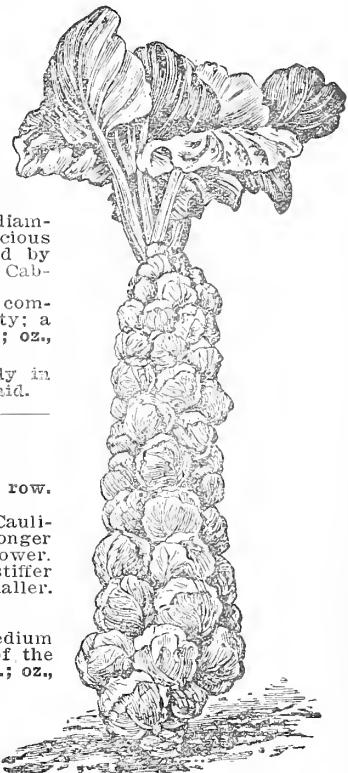
## BRUSSELS SPROUTS

One ounce will produce 2000 plants.

A variety of the Cabbage family, possessing the peculiarity of bearing upon its stem or stalk from fifty to one hundred buds resembling miniature Cabbage heads. The leaves composing these heads resemble Savoy Cabbage in their crumpled texture and also in their color. The heads or buds, one to two inches in diameter, form one of the most delicious garden vegetables, only equalled by the Cauliflower. Treat same as Cabbage.

**Improved Dwarf**—Produces compact sprouts of the finest quality; a good keeper. Pkt., 5c. and 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

**Brussels Sprouts Plants ready in July.** 25, 25c.; 100, 75c., postpaid.



Brussels Sprouts Improved Dwarf

## BROCCOLI

One ounce of seed to 200 feet of row.

A plant much resembling the Cauliflower. Broccoli requires a longer season to develop than Cauliflower. It has more numerous and stiffer leaves and the heads are smaller. Treat same as Cabbage.

**Early Large White**—Heads medium size, close and compact. One of the most certain to head. Pkt., 10c.; oz., 50c.

**Early Purple Cape**—Rather hardier sort, with greenish-purple heads, good flavor. Pkt., 10c.; oz., 50c.

## BEANS

**Culture**—The seed should not be planted before the ground becomes light and warm, in favorable seasons, usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about three inches apart in drills two feet apart, and covered about two inches deep. Successive sowings made at intervals of about two weeks until August 15th, will give a plentiful supply of Beans all season. One quart of seed will sow 100 feet of drill; two bushels will sow an acre.

We furnish 5c. and 10c. packages of all Beans.

## BUSH BEANS (Green Pod)

**Hopkins Improved Extra Early Red Valentine**—One of the most popular early snap beans with round, fleshy pods about five inches in length; very brittle, tender and of fine quality. Pt., 40c.; qt., 75c.; pk., \$5.00.

**Burpee's Stringless Green Pod**—An ideal variety having round, slightly curved, fleshy and exceedingly tender pods. Matures a few days earlier than the Giant sort. Pt., 40c.; qt., 75c.; pk., \$5.00.

**Black Valentine, or May Queen**—Has very long handsome round pods, and being immensely productive places this variety as one of the most profitable for the market gardener. It is very early. Pt., 40c.; qt., 75c.; pk., \$5.00.

(Beans continued on next page)



M. & S. Giant Stringless Green Pod Beans

**M. & S. Giant Stringless Green Pod**—The round, light green pods, giant in size, are absolutely stringless and unsurpassed in tenderness. For the garden, there are few that will give better satisfaction. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Dwarf Horticultural, or Cherry**—This is a broad, long, flat, meaty bean, very productive, delicious flavor. It also makes a good dried bean for winter. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**M. & S. Longfellow**—Vigorous in growth. Sixteen inches tall, bearing abundance of handsome green pods, 5 to 6 inches long, round, slightly curved, stringless when young, of good quality. We advise our trucker customer to give this valuable bean a trial. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**White Navy, or Boston Pea Beans**—Yields large quantities of white shell beans, which are used for baking. **Pt., 35c.; qt., 60c.; pk., \$4.00.**

**White Kidney**—Used principally as a dried bean; also very satisfactory in its green state. Pods, 6 to 7 inches long, flat and nearly straight. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Red Kidney**—Like the above, but the seed when ripe is brick red, very rich quality and fine flavor. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

We furnish 5c. and 10c. packages of all Beans.

### WAX POD VARIETIES

**Currie's Rust-Proof Black Wax**—Valuable for general use, being early, hardy, and a heavy yielder. Extra long flat pods of fine color and not apt to rust. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Sure Crop Stringless**—This is a grand bean of recent introduction. Absolutely stringless and a great rust resister. Will produce an abundance of long yellow flat pod. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Dwarf Black Wax**—Pencil pod strain. It is so good that it is worthy of special notice. The pods are round, brittle, of handsome golden yellow color, and of buttery flavor when cooked. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Round Pod Kidney Wax**—This mid-season variety is exceedingly handsome and very desirable, especially for snaps for the home garden. Vines dwarf, spreading and very productive. Leaves roughened. Pods long, slightly curved, light yellow, wax-like, stringless and of the best quality. They are uniformly perfect, an ill-shaped one being rarely seen. Seed long, cylindrical, medium-sized, nearly white, with a little dark marking about the eye. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**M. & S. Legume Inoculator for All Kinds of Beans**—Means bigger crops, healthier vines, early and more continuous crops. **Garden Size, 40c.; 75c. per acre bottle.** It will pay you to use this when you plant peas and beans. (See index.)

**Davis White Kidney Wax**—Pods remarkably straight, long and handsome, waxy white color; enormously productive; seed white. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

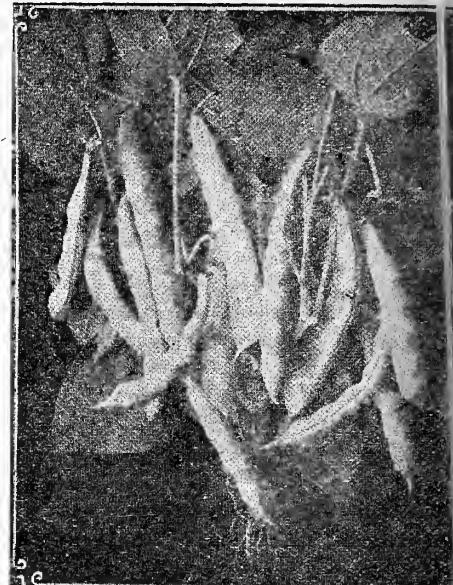
**Wardell's Kidney Wax**—In growth of vine and productiveness this variety exceeds any other wax-podded bean. The long flat pods are of handsome appearance and usually free from rust. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Improved Golden Wax**—Small plants of erect growth, bearing flat, thick pods about 5 inches in length, and of excellent quality. An early and reliable variety, recommended for home use. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Refugee Wax**—Great bearer, pods beautiful white wax color, curved round thick and nearly stringless when young, a bright resister. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Hodson Wax**—A fine strong growing bean. Pods 6 inches long, golden waxy color. Nearly straight, thick flat and meaty. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Webber Wax**—Vine strong, holding pods well up from ground, semi-round, curved and bright yellow. **Pt., 40c.; qt., 75c.; 1 lb., \$5.00.**



Improved Golden Wax

### POLE STRING BEANS—(Green and Wax Pod)

**Culture**—Same as Pole Lima.

**Yard Long, or Snake Beans**—This is an ornamental as well as useful pole bean. Producing an abundance of dark green foliage and stringless green pods, often measuring from 1 to three feet long, which, when cooked, make a delicious dish. Seeds very small. **Pkt., 5c. and 10c.; 1 oz., 25c.**

**Horticultural or Pole Cherry**—Pods green, dashed with red when beans are matured. Very showy. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Kentucky Wonder, or Old Homestead**—The most popular of the pole varieties, and should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle-backed, green in color and stringless. Seed light brown. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Lazy Wife's, or White Cherry**—Pods six to eight inches long, entirely stringless, of a rich, buttery flavor when cooked as snap bean; also a good, white shell-bean for winter. One of the very finest flavored. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**M. & S. Kentucky Wonder Wax**—Same as above with exception of beautiful yellow pods. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Golden Cluster Wax**—Deep yellow flat pods, often 8 inches long. Heavy yielder, bearing in large clusters. **Pt., 40c.; qt., 75c.**

### ENGLISH, or BROAD WINDSOR BEAN

**Culture**—Same as Bush Lima, only plant thinner. A bean similar to Lima Beans, but different flavor and larger. Should be planted early, as they are very hardy. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

We furnish 5c. and 10c. packages of all Beans.

### BUSH LIMA BEANS

1 qt. to 100 feet of drill.

**Culture**—Plant in rows two feet apart, and about one foot apart in the rows.

**Henderson's Dwarf Lima**—Beans are small, but their flavor is excellent. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Burpee's Improved Bush Lima**—Pods are truly enormous in size, abundantly and well filled with handsome beans, which are both larger and thicker than those of the popular Burpee Bush Lima. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

**Fordhook Bush Lima**—Similar to Dreer's, but large and superior, bearing in clusters of from four to eight, averaging four large beans to the pod. **Pt., 40c.; qt., 75c.; pk., \$5.00.**

## POLE LIMA BEANS

**Culture**—These require pole eight to ten feet long. The beans should be planted in May if the season is suitable. Set poles four feet apart each way, and plant four to six beans, about one inch deep, around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the ends of plants when they overrun the top of the poles to effect more perfect growth below. Lima Beans for early use may be grown in frames and transplanted. 1 qt. to 100 poles.



King of Garden Pole Lima Beans

**King of the Garden**—Vigorous grower, bearing large pods, five to eight inches long. Beans large and of rich flavor. Pt., 40c.; qt., 75c.; pk., \$5.00.

**Dreer's Imp., or Potato Lima**—Beans round and thick, delicious flavor, easy to shell, immense cropper. Pt., 40c.; qt., 75c.; pk., \$5.00.

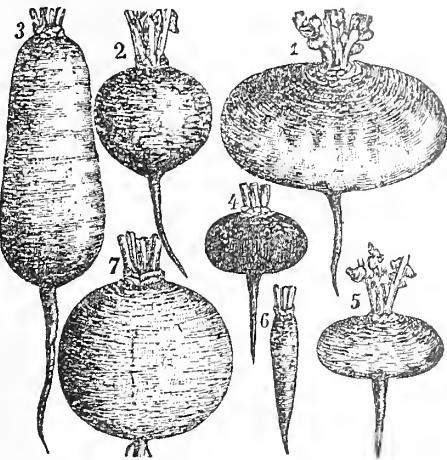
**Carpinteria Early Lima**—Very fine, immense beans, which retain their green color a long while. Pt., 40c.; qt., 75c.; pk., \$5.00.

through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

### CRIMSON GLOBE

A second early variety, does not grow large and coarse, the matured beets being medium in size and of good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. The tops are small and dark in color. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

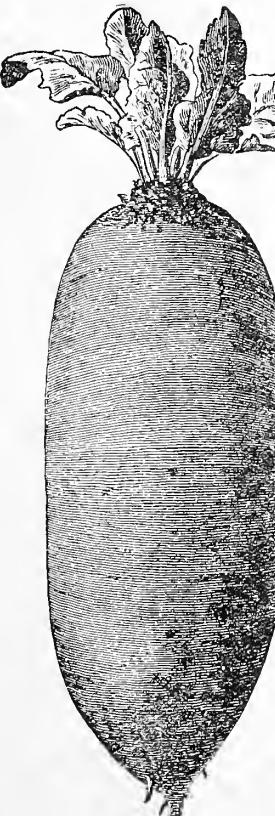
**Swiss Chard, or Spinach Beet, Giant Lucullus**—The leaves of Swiss Chard are used as greens, cooked in the same manner as spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. Giant Lucullus is the largest and best variety of Swiss Chard, and you should not fail to plant at least one long row in your garden this Spring. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.



## BEETS (Mangel-Wurzel)

Used for feeding cattle. sow five pounds per acre.

**Culture**—Sow in April and May in thoroughly plowed, well-manured soil, in drills two inches deep and about 18 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.



An ever-increasing acreage is being planted for stock beets, because of the wonderful results by feeding them as shown by the reports of our Experiment Stations and leading farmers and stockmen. Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use. Where many are grown a good drill and cultivator are needed. Five pounds sows an acre.

**Jumbo Mangel**—Immense, long red, very fine quality. Oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Sludstrup Barres Mangel**—Recently introduced from Denmark. The finest, largest and most prolific Mangel in existence. Half-long, stump-rooted, yellow flesh. Outside color orange with red top. Oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Gate Post Mangel**—Large, yellow, excellent sort. Oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Mammoth Long Red**—This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel and very valuable for stock feeding. Oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Golden Tankard**—(Fig. 3.) The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Improved White Sugar Beet**—An improvement on the other varieties of sugar beets, harder, and containing a greater percentage of sugar. Oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

One ounce of seed sows sixty feet of drill; five pounds will sow an acre in drills.

**Culture**—The soil best suited to the culture of the beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the Spring as soon as the ground becomes fit to work, in drills 18 inches apart and two inches deep. For winter use sow as late as June. When the plants have attained three or four inches in height, thin out so that they stand five or six inches apart. Keep free from weeds. Before freezing weather sets in, the roots may be stored in cellars or pits, same as Potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling.

**Extra Early Flat Egyptian**—Maturing in an incredibly short time. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50. (Fig. 5.)

**Crosby's Improved Egyptian**—Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50. (Fig. 1.)

**Extra Early Eclipse**—Maturing in an incredibly short time, round-shape beet. Small top, and of excellent table qualities. Makes an attractive seller in market. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50. (Fig. 4.)

**Edmand's Blood Turnip**—This beet of American origin is the most uniform of all Turnip Beets. The root is always smooth, round and handsome, tops small, of good marketable size. Color dark red, flesh purplish red, crisp, tender and sweet. An excellent keeper. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50. (Fig. 7.)

**Detroit Dark Red**—(Fig. 2.) Blood red, early, turnip-shaped variety. Has small, upright tops; fine round shape. Skin and flesh dark blood-red. Very tender and sweet. Remarkably uniform in growth, and a particularly desirable sort for truckers and market gardeners. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75.

**Long Smooth, Dark Blood**—(Fig. 6.) This variety has long, slender roots. The beets are seldom more than two inches

## CABBAGE

One ounce will produce about 2500 plants; one-quarter pound for transplanting an acre.

**Culture**—Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows two feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows three feet apart and two feet in rows. Never plant in the same ground two years in succession.

Our Cabbage Seed is all grown from selected heads only, by a specialist on Long Island.

## EARLY VARIETIES

**Copenhagen Market**—A valuable new early cabbage from Denmark, producing a large globe-shape head, which comes into market along with Charleston Wakefield. It is well known that Denmark is a great cabbage and cauliflower country, and our seed comes direct from the originator. Produces fine, large heads uniform in shape and size and very solid, with few loose leaves. It is a vigorous grower and an excellent keeper. We have grown it for two years on our trial grounds where it excited great admiration. **Pkt., 10c.; 1/2 oz., 40c.; oz., 75c.; 1/4 lb., \$2.50.**

**New Early**—The largest of the early cabbage. The head is roundish flat and remarkably solid. **Pkt., 5c. and 10c.; oz., 40c.; 1/4 lb., \$1.50; lb., \$5.00.**



Early Jersey Wakefield Cabbage

**Early Jersey Wakefield**—The finest oblong-shaped cabbage in existence. The head is solid, there being very few outside leaves. **Pkt., 10c.; oz., 50c.; 1/4 lb., \$1.75; lb., \$7.00.**

**Large Charleston Wakefield**—Similar to Early Jersey, but the heads are more blunt, equally as solid, while it grows almost twice the size, but matures one week later. **Pkt., 10c.; oz., 60c.; 1/4 lb., \$2.00; lb., \$7.50.**

**Early Flat Dutch**—A dwarf-growing type, principally used for early summer. **Pkt., 5c. and 10c.; oz., 40c.; 1/4 lb., \$1.50; lb., \$5.00.**

**Early York**—Resembles the Early Jersey Wakefield somewhat, but the heads are more pointed and not so early. **Pkt., 10c.; oz., 50c.; 1/4 lb., \$1.75; lb., \$7.00.**

## SECOND EARLY VARIETIES

**Early Drumhead**—A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. **Pkt., 5c. and 10c.; oz., 40c.; 1/4 lb., \$1.25; lb., \$4.75.**

**Henderson's Early Summer**—The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. **Pkt., 5c. and 10c.; oz., 50c.; 1/4 lb., \$1.75; lb., \$5.00.**

**Succession**—A very popular sort with the market gardeners. It matures about 10 days later than Early Summer. **Pkt., 5c. and 10c.; oz., 50c.; 1/4 lb., \$1.75; lb., \$5.00.**

## LATE, or WINTER VARIETIES

**All seasons. (Vandergaw)**—A very large head, round and solid. It is valuable for Summer or Winter use. **Pkt., 5c. and 10c.; oz., 50c.; 1/4 lb., \$1.75; lb., \$5.00.**

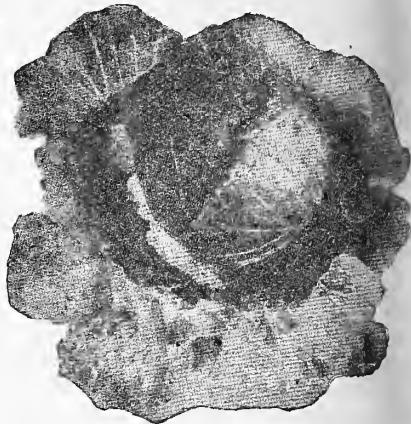
**Danish Ballhead**—An elegant medium late variety. **Pkt., 10c.; oz., 75c.; 1/4 lb., \$2.50.**

**Late Flat Dutch**—(Improved Strain.) This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. **Pkt., 5c. and 10c.; oz., 40c.; 1/4 lb., \$1.50; lb., \$5.50.**

**Large Late Drumhead**—Much like the above except the heads are not quite as large nor as flat. **Pkt., 5c. and 10c.; oz., 40c.; 1/4 lb., \$1.50; lb., \$5.50.**

**Perfection Drumhead Savoy**—A beautifully crimped—leaved sort, color a deep glossy green. The leaves are very crimped. The head is almost round. **Pkt., 5c. and 10c.; oz., 40c.; 1/4 lb., \$1.50; lb., \$5.50.**

**Red Dutch Drumhead**—A red variety, used extensively for pickling. **Pkt., 5c. and 10c.; oz., 40c.; 1/4 lb., \$1.50.**



Red Dutch Drumhead

## M. & S. FROST-PROOF CABBAGE PLANTS

At the issuing of this catalog reports on these plants from our growing station were very unsatisfactory, and they were an entire failure.

### WILL MATURE HEADS TWO TO THREE WEEKS EARLIER THAN YOUR HOME-GROVN PLANTS AND DOUBLE YOUR PROFITS

To get the advantages of these Frost-Proof Cabbage Plants they must be planted a month or six weeks earlier than you would plant home-grown plants.

These Frost-Proof Cabbage Plants will stand a temperature of 8 to 10 degrees above zero without injury, the land freezing or the plants being covered with ice, sleet or snow after they are planted will not injure them.

Our cabbage plants are grown from the best Long Island grown seed and are shipped direct from our growing station, South Carolina or Louisiana by parcel post or express. We can fill orders from December 1st to May 1st.

The plants when received will be somewhat wilted and have a hard stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of appearance, they will produce the crop results. We guarantee good order delivery.

### VARIETIES: EARLY JERSEY WAKEFIELD, CHARLESTON, LARGE TYPE WAKEFIELD, SUCCESSION AND EARLY FLAT DUTCH

Prices by parcel post, postage paid, 40c. per 100 plants, all places in the postal union. On larger quantities the prices are as follows:

500 plants, \$1.50; 1000 or more at \$2.70 per 1000.

Prices by express, buyer paying charges, which under special rates are very low. In lots of 1,000 to 4,000 at \$2.00 per 1,500, to 8,000 at \$1.80 per 1,000. In lots of 10,000 or over at \$1.50 per 1,000.

Plants are packed for parcel post shipment either 100, 250, 300, 400, 500 or 1,000 plants to package. For express shipment, 1,000 plants to package. Order in these quantities. They weigh 15 to 20 pounds per thousand plants packed for shipment.

**Terms: Cash with Order**—No plants shipped C. O. D. advise that you have all shipments of two thousand plants less sent by parcel post. They make quicker time, are delivered by the mail carrier, and save you the time of going to the express office for the shipment. On larger lots inquire of your express agent what the charges will be. To a great many points the parcel post rates are as low or lower than the express rates. When rates are near the same always order by parcel post, as time and service is better.

**Early Sorts**—From hotbeds. All the leading varieties read April 1st. 15c. doz., 50c. 100 (by mail, 20c. and 60c.); \$4.00 1,000.

**Late Sorts**—Ready July 1st. 60c. 100; \$4.00 1,000.

Gentlemen: If affords me great pleasure to let you know that the garden seeds which I have bought from you the past three seasons have given me better satisfaction than any other I have ever purchased. Yours truly,

N. E. OFFUTT, Cockeysville, Md.

## CHINESE CABBAGE or CELERY

**Pe Tsai**—Improved Chinese Cabbage. The market appearance of this cabbage in quantity the past few years has created a widespread demand for the seed. It is very easily grown and does well in nearly all parts of the country. It should be grown like a late cabbage, planting in July (turnip planting time), as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. The full-grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled minced and seasoned with butter, it is especially delectable. **Pkt.**, 10c.;  $\frac{1}{2}$  oz., 25c.; oz., 45c.; 2 oz., 75c.;  $\frac{1}{4}$  lb., \$1.25.

## CAULIFLOWER

One ounce of seed for 1,500 plants.

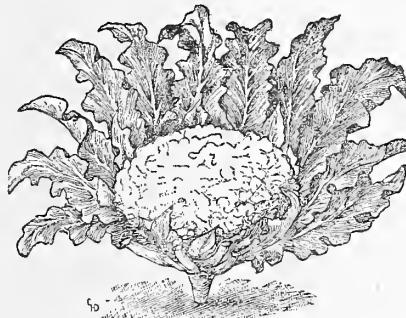
**Culture**—When grown to perfection this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep rich soil, and an abundance of moisture, which in dry seasons must be applied artificially, Cauliflower can be grown well. The cultivation is similar to that of Cabbage. For early Fall crops, sow in May and transplant in June, in rows four feet apart, setting the plants two feet apart in the row; water frequently if the ground is dry. Frequent hoeing and a liberal supply of rich, liquid manure, to keep up a continuous and rapid growth, will produce splendid heads of the most delicate flavor. It facilitates blanching if the leaves are gathered loosely together and tied over the top of the head to protect it from the sun. Cut before the flowers begin to open. Sow as late as June 20 for late crops, in beds or in hills, covering one-half inch deep.

**Dry Weather or Danish Giant**—The great drought resisting variety; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. **Pkt.**, 10c., 25c., 50c.; \$2.50 per oz.

**Early Snowball**—An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture. **Pkt.**, 1\$C., 25c. and 50c.; oz., \$2.00.

**Select Early Dwarf Erfrut**—Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfrut. **Pkt.**, 10c., 25c. and 50c.; oz., \$2.00.

**Weitch's Autumn Giant**—A distinct and valuable late variety; heads large and fine, well protected by foliage. **Pkt.**, 10c.; oz., 75c.



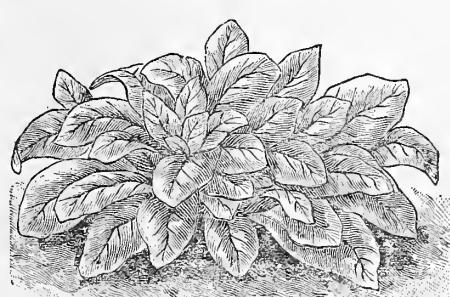
## CAULIFLOWER PLANTS

**Early Snowball**—Ready in April. 25c. doz.; \$1.00 100 (by mail, 30c. and \$1.15; \$6.00 1,000.

## CORN SALAD

**Culture**—Sow in Spring, in drills one foot apart; it will mature in six to eight weeks. For Winter and early Spring use, sow in drills in August and September.

**Large Leaved**—**Pkt.**, 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

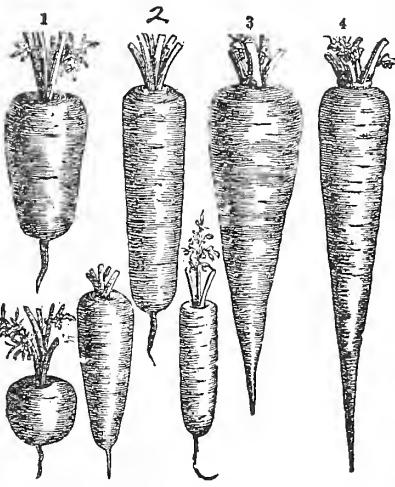


Large Leaved Corn Salad

## CARROT

One ounce to 100 feet of row. 2 or 3 lbs. to the acre.

**Culture**—A light, loamy soil that has been well manured the previous year is preferred for growing Carrots, although good crops may also be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed one-half inch deep in rows 15 inches apart, and later thin to five inches in the row. Keep soil between the rows well hoed and free from weeds. From July 1st to 15th sow for Winter crops.



### Fride of the Market

An ideal medium early, stump-rooted Carrot; smooth and uniform in shape, averaging five inches in length, with thick, heavy shoulders, rather large tops and deep orange color. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25; fig. 7.

### Parisian Forcing

(Fig. 5.) Extremely early, of small size, but very sweet, tender and beautiful orange red color. **Pkt.**, 5c. and 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Chantenay**—(Fig. 2.) Top medium sized, neck small, roots tapering slightly but uniformly stump-rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, and its great productiveness makes it desirable as a field sort. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Danvers, or Half-Long Orange**—(Fig. 6.) Owing to its enormous yield, this variety is the best and most profitable for main crop, also desirable for feeding cattle. It is somewhat longer, thicker and a better keeper than the Chantenay. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Guernande, or Oxheart**—(Fig. 1.) A short thick carrot not exceeding four inches in length and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Long Orange Improved**—(Fig. 4.) The longest and latest of all carrots; unsurpassed for its keeping qualities. Fine for feeding stock. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**White Belgian**—Used principally for stock, not being desirable for table, produces a long thick white root. It is also used for turning under, being a valuable humus maker. It is 8 to 10 inches long, has green top. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

## SWEET, or SUGAR CORN

One quart will plant 200 hills; eight quarts in hills to acre.

**Culture**—The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession, continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. Extra early varieties can be planted 18 inches in the row and 2 $\frac{1}{2}$  feet between the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

**Extra Early Adams**—Height of stalk three to four feet, ears set within six inches of ground. Not a sugar corn, but a decided acquisition so early in the season. **Pt.**, 20c.; qt., 35c.; pk., \$2.00.

**Early Adams**—Similar to Extra Early Adams; larger, but not so early. **Pt.**, 20c.; qt., 35c.; pk., \$2.00.

**Country Gentleman**—A short-stalked, productive sort. Ears large for so small a stalk; grain narrow and very deep; excellent quality. **Pt.**, 30c.; qt., 50c.; pk., \$3.00.

**Shoe Peg, or Ne Plus Ultra**—Very similar to the above. **Pt.**, 20c.; qt., 50c.; pk., \$3.00.

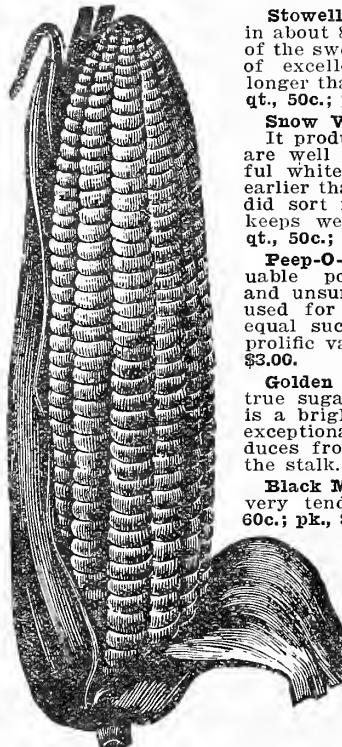
**Early Mayflower**—This new Sugar Corn is a wonder, as early as any, but fine shaped, medium sized ears. **Pt.**, 30c.; qt., 50c.; pk., \$3.00.

**Howling Mob**—Another new early Sugar Corn, with fine, large ears, excellent for truckers. **Pt.**, 30c.; qt., 50c.; pk., \$3.00.

**SUGAR CORN**—Continued on next page.

## SUGAR CORN—Continued.

**M. & S. Evergreen Egyptian Strain Sugar Corn**—This is a strong growing corn, making fodder equal to field corn, matures in 85 days, bearing fine large uniform ears which are as sweet as sugar. **Pt., 30c.; qt., 50c.; pk., \$3.00.**



Snow White Evergreen  
Sugar Corn

**Red Cob, or 90-Day Corn**—A distinct and well-known sort of white corn; matures in about 90 days; produces large, handsome ears. **1/4 pk., 50c.; pk., \$1.75.**

**Early Mammoth**—Large ear, and early; splendid early market sort. **Pt., 30c.; qt., 50c.; pk., \$3.00.**

**Stowell's Evergreen on  
Ears**—Each, 12c.; dozen, \$1.25.

**Late Mammoth Sugar**—The strongest growing of all sugar corns. Takes 85 days to reach maturity for table. The ears are very large and showy. **Pt., 30c.; qt., 50c.; pk., \$3.00.**

**Improved Early White Spine**—The old standard favorite. **Pt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 90c.** Special prices on large quantities.

**Arlington White Spine**—Another standard sort. **Pkt., 5c.; 10c.; 1/4 lb., 25c.; lb., 90c.** Special prices on large quantities.

**Improved Long Green**—Long and crisp; a popular and reliable variety for pickles. **Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 90c.**

**Jersey Pickle**—Productive and said to "green" better than any other variety, and to "hold color." **Pkt., 5c.; oz., 10c.; lb., 25c.; lb., 75c.**

**Livingston's Evergreen**—A very strong grower, very ear bears firm, crisp fruit, which is excellent for slicing or pickling. **Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 90c.**

**Early Green Cluster**—A short, prickly variety, bearing clusters, prolific. Fine for bottle pickles. **Pkt., 5c.; oz., 10c.; lb., 25c.; lb., 90c.**

**Small Gherkin, or Burr**—Used only for pickling while young and tender. **Pkt., 5c. and 10c.; oz., 25c.**

**Danish Pickling Cucumber**—A new introduction from Denmark. Seeds extremely scarce. A very prolific grower producing small dark green warty fruit, especially desirable for pickling. **Pkt., 10c.; oz., 25c.**

**Japanese Climbing**—Distinct from other varieties, being real climber. Very prolific of fruit. A valuable interesting novelty. **Pkt., 5c. and 10c.; oz., 20c.**

**English Forcing Telegraph Cucumber**—These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them. **Pkt., 12 seeds, 25c.; 100 seeds, \$1.25.**

## CELERY

One ounce will produce about 2000 plants.

**Culture**—Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make the stocky. When the plants are five or six inches high transplant the dwarf varieties three feet, and the taller sorts four feet between the rows; plant six inches apart in the rows. Cultivate well, and when large enough, blanch by earthing-up. The first operation is that of "handing," generally done the beginning of September; after the soil has been drawn up with the hoe it is drawn closer around each plant by the hand to keep the leaves firm, in an upright position, and to prevent spreading. When the plants have become set in an upright position the Celery wanted for early use should be banked, by throwing the soil up as close to the plants as possible with a plow and finishing it with a spade, bringing the earth up nearly to the tops of the plants.

**M. & S. Monarch**—This variety is a decided acquisition in green Celery, producing large stalks, and magnificent bright golden yellow heart. The stalks are very solid, brittle, and of most delicious flavor, and entirely free from stringiness. It is a remarkably good keeper and presents a handsome appearance when ready for the table. **Pkt., 10c.; 25c.; 1/4 lb., 75c.**

**M. & S. Magnificent**—It is well named for its many good qualities; it is a semi-late sort, coming into use about January. The stalks which blanch almost white are exceedingly brittle, so that it has a tendency to melt in the mouth; it is a truly good sort and should be planted extensively. **Pkt., 10c.; oz., 25c.; 1/4 lb., 75c.**

**French Golden Self-Blanching**—For early use; preferred by many to all other sorts; as self-blanching as white Plume, and simply needs a slight earthing-up. The entire plant is an attractive yellowish green, and approaching its maturity the inner stems and leaves become a beautiful waxy golden color. Grows to a good size, very tender, crisp and solid, and when well grown is of excellent quality and very beautiful. Seed supply very limited. **Pkt., 10c. and 25c.; oz., \$1.00! 1/4 lb., \$3.50; 1lb., \$13.50.**

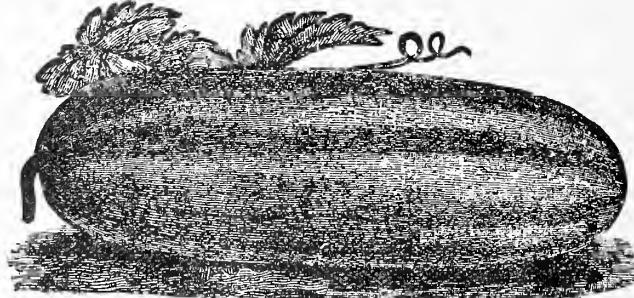
**American Self-Blanching**—**Pkt., 5c. and 10c.; oz., 25c.; 1/4 lb., 75c.**  
**White Plume**—Unsurpassed for Fall and Early Winter use requiring very little earthing-up to blanch it. **Pkt. 5c. and 10c.; oz., 20c.; 1/4 lb., 50c.; lb., \$1.50.**



## CUCUMBER

One ounce will plant fifty hills; two pounds, one acre.

**Culture**—For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop plant, if the weather has become settled and warm, in hills about four feet apart each way; thin out to four of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August.



Early Fortune Cucumber

**Early Fortune**—A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size and dark green color. **Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; lb., \$1.00.**

**New Klondike**—One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color, large size, and of fine flavor. **Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; lb., \$1.00.**

Mrs. Catherine Driver, Lansdowne, Md., tells us that she never had such fine Cabbage as she grew from our Succession and Copenhagen Market Cabbage Seed in her long experience of trucking. She also says: "I pulled 250 bunches of Long Orange Cabbages on July 8th from a 1/4 pound of your seed planted April 1st."

**Giant Pascal**—The stalks are very large, thick, solid, crisp and of a rich, nutty flavor; it blanches very easily and quickly, and retains its freshness a long time. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 40c.; lb., \$1.25.**

**Golden Heart**—Largely used, always giving satisfaction; a showy sort; solid, of fine flavor and a good keeper. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 50c.; lb., \$1.50.**

**Boston Market**—A short, bushy, white, solid, excellent flavored market variety, constantly increasing in demand. **Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00.**

**Winter Queen**—This variety grows a very thick, solid and easy stalk, and has a large heart. It is a close, compact rower, and when blanched is a creamy-white color. **Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00.**

**Victory**—Runs a close second to the above, very similar. **Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00.**

**Celery Plants**—Ready in July. **Pkt., 100, \$1.00, prices furnished on application.**

**Giant Prague Celeriac**—This is unquestionably the largest and best celeriac in existence. The roots are very large, twice as large as the rut, almost globe-shaped, smooth, with only a few roots at the bottom. Flavor is excellent. **Pkt., 5c. and 10c.; oz., 25c.; 1/4 lb., 75c.; lb., \$2.50.**



## CRESS

**Water Cress**—Sow early in spring near pond or running water; when established will last for years. **Pkt., 10c.; oz., 50c.**

**Land Cress or Pepper Grass**—Sow in early spring in rows, two feet apart, and repeat often as it runs to seed very quick. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 30c.**

**Chervil**—Sow like the above, used as a salad seasoner. **Pkt., and 10c.; oz., 25c.**

## EGGPLANT

One ounce will produce about 1,000 plants.

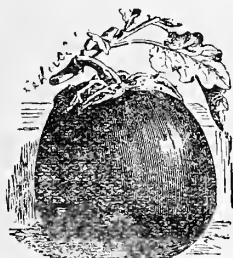
**Culture**—Eggplant seed will not vegetate freely without a long, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore, repeated sowings are sometimes necessary.

**Florida High Bush**—The hot sun does not blight the blossom as in the case of some other sorts. It resists heat and bad weather to a wonderful degree, partly on account of its long, upright growth. It bears its blossoms and fruit sometimes two to four feet above the ground, thus escaping the danger of rot. Large size and good quality. **Pkt., 5c. and 10c.; oz., 40c.; lb., \$1.50.**

**New York Improved Purple**—The leading market variety; of large size, a deep purple, smooth, free of blemishes; flesh white, of excellent quality, very productive. **Pkt., 5c. and 10c.; oz., 40c.; 1/4 lb., \$1.50.**

**Black Beauty**—The earliest large variety; color rich, dark purple. **Pkt., 5c. and 10c.; oz., 40c.; 1/4 lb., \$1.50.**

**Eggplant Plants**—Ready in May and June. Pot-grown, 50c. each, \$4.50 per 100. Drawn plants, 25c. doz.; \$1.50 per 100.



Black Beauty Eggplant

## ENDIVE

**Culture**—Sow in June, July and August; cover lightly; when thin out to eight inches apart, and water well afterward, dry. When the leaves are 6 or 8 inches long, blanch by immersing in the hand and tying together near the top with yarn or bast. This

must be done when quite dry or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.

**Green Curled**—Tender and crisp. **Pkt., 5c.; oz., 15c.; 1/4 lb., 35c.; lb., \$1.25.**

**White Curled**—Self-blanching. Very tender when young; blanches readily. **Pkt., 5c.; oz., 15c.; 1/4 lb., 35c.; lb., \$1.25.**

**Broad Leaved Batavian (Escarole)**—This variety is chiefly used in soups and stews; it requires to be tied up for blanching. **Pkt., 5c. and 10c.; 1 oz., 15c.; 1/4 lb., 40c.; lb., \$1.25.**

Mr. Arthur Owens, of Greencock, Md., says he has had the most magnificent garden from seeds purchased of us the past season.

## WHITLOOF CHICORY, or FRENCH ENDIVE

**Whitloof Chicory, or French Endive**—Known in restaurants as French Endive. We want to get our customers interested in this delicious vegetable, and feel confident that after it has once been tried it will become quite as popular as Swiss Chard which was only planted very sparingly a few years ago. Every garden should have a row of Whitloof Chicory and we feel sure that every amateur or experienced gardener will be pleased with the results.

In order to grow good "Whitloof" the seed should be sown during April in the open ground, in drills 10 or 12 inches apart, in deep, rich soil. Allow the plant to grow until November, keeping free from weeds and watering if necessary. Then take up the roots and trim off the leaves to about 1 1/2 inches from the neck, break off any shoots which may appear on sides of root, and shorten lower end so that all will be of a uniform length of 8 to 10 inches. Then plant in a trench 16 to 18 inches deep, placing the roots upright, about 1 1/2 inches apart. This will leave the necks of the roots about 8 inches below the level of the ground. Fill up the trench with good, light, well-drained soil, and, if speedy growth of any portion of the crop is desired, it may be accomplished by covering with a layer of manure at least 16 inches deep. In about 4 to 5 weeks the leaves may be taken off and roots dug up. The blanched head is the edible portion, and should be cut off, leaving a portion of the neck attached to it. Whitloof is eaten raw or as a salad, and is also sometimes cooked like ordinary Endive. **Pkt., 5c. and 10c.; oz., 25c.; 1/4 lb., 90c.**

**Large Rooted Chicory**—The roots are dried and ground and used for flavoring or to substitute coffee. It can also be served like salsify. **Pkt., 5c. and 10c.; oz., 25c.**



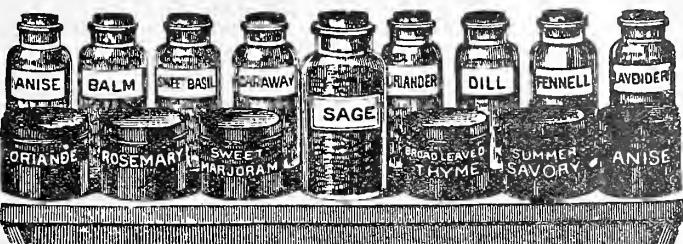
## HERBS

**Culture**—Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, one foot apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

**Borage**—**Pkt., 5c. and 10c.**

**Caraway**—Seeds used to flavor bread. **Pkt., 5c. and 10c.; oz., 25c.**

**Coriander**—**Pkt., 5c. and 10c.**



**Dill**—The seeds are used as a condiment and for pickling. **Pkt., 5c.; oz., 15c.; 1/4 lb., 35c.; lb., \$1.00.**

**Fennel**—**Pkt., 5c. and 10c.**

**Horehound**—For medicinal purposes and flavoring. **Pkt., 5c. and 10c.**

**Lavender**—For flavoring and perfumery. **Pkt., 5c. and 10c.**

**Martynia**—Produces long green pods which are used for pickling. **Pkt., 5c. and 10c.; 1/2 oz., 25c.**

**Pot Marigold**—**Pkt., 5c. and 10c.**

**Rosemary**—Leaves are used for seasoning. **Pkt., 5c. and 10c.**

**Rue**—**Pkt., 5c. and 10c.**

**Sage**—For seasoning and dressing. **Pkt., 5c. and 10c.; oz., 25c.; lb., \$2.50.**

**Summer Savory**—Used for flavoring. **Pkt., 5c. and 10c.; oz., 25c.**

**Sweet Basil**—For flavoring soups. **Pkt., 5c. and 10c.; oz., 25c.**

**Sweet Marjoram**—Leaves and ends of shoots used for seasoning. **Pkt., 5c. and 10c.; oz., 30c.**

**Saffron**—For medicinal and coloring purposes. **Pkt., 5c. and 10c.**

**HERBS—Continued on next page**

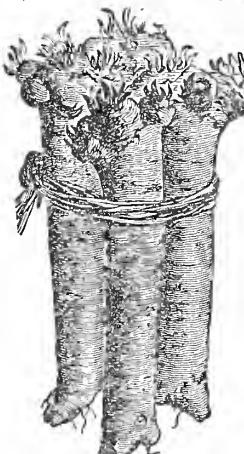
**HERBS—Continued**

**Tarragon**—This does not produce seed, but we offer choice plants. These are hardy if given plenty of protection in Winter. Do not plant them in an exposed place. **Extra large plants, 50c. each (by mail, 60c.)**

**Thyme (Broad Leaf)**—For seasoning, also for making tea for nervous headache. **Pkt., 5c. and 10c.; oz., 30c.; lb., \$3.00.**

**Woodruff**—A sweet-scented herb which is used as essence in the German Maitrank. **Pkt., 15c.**

**Wormwood**—**Pkt., 5c. and 10c.**

**HORSE RADISH ROOTS**

Ready March 1st. Extra strong roots will produce large size radish the first season.

**Regular Variety**—**Doz., 25c.; 100, 75c., postpaid; 1,000, \$6.00.**

**Maliner Kren**—A large quick-growing variety, which is now the very best horse radish grown. **Doz., 35c.; 100, 90c., postpaid.**

**GEORGIA COLLARDS**

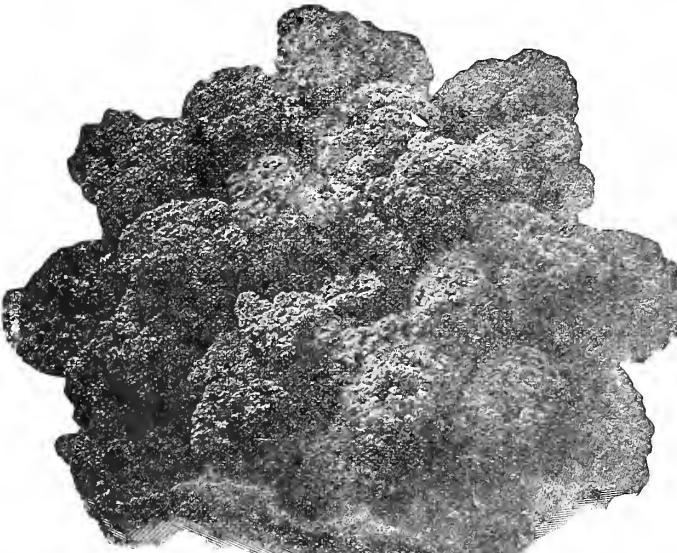
**Georgia Collard**—Culture like Cabbage. The lower leaves are pulled off and used same as Cabbage Sprouts and Kale; will be found very delicious if you have never tried it; give it a place in your garden this coming season. **Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 60c.**

**KALE or BORECOLE**

**One ounce sows a drill of about 100 feet. 2 to 3 lbs. to the acre.**

**Culture**—Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter.

The Kales are more hearty than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost.



**Borecole—Hardy Winter**

**Borecole, Hardy Winter**—This variety is grown and treated like cabbage. The plant attains a height of 18 inches, with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are cut. This new growth is of the finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. **Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00.**

**Emerald Isle Kale**—This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Very hardy. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 50c.; lb., \$1.75.**

**Dwarf Green Kale**—**Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 40c.; 1 lb., \$1.50.**

**Tall Scotch**—Best for Summer. Very spreading, nicely curled and hardy; frost improves it. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 50c.; 1 lb., \$1.75.**

**New Imperial Long Standing**—The leaves are very crimp and of a dark green color. It stands quite tall and is an excellent producer. It is just as hardy as any of the other sort and will be found very profitable where quantity as well as quality is desired. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 40c.; 1 lb., \$1.50.**

**Dwarf Green Curled Scotch, or Norfolk**—One of the most popular shipping sorts; very largely used in Norfolk truckin district. The leaves are of a bright green color, beautifully curled. Should be sown in rows in August and September. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 50c.; 1 lb., \$1.75.**

**KOHL=RABI**

**One ounce will sow 150 feet of dry**  
This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above ground, and, if used when young and tender, makes a most delicate dish for the table.

**Earliest White Vienna**—Greenish white outside, with clear white flesh. Smooth, short leaf. **Pkt., 5 and 10c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00.**

**Earliest Purple Vienna**—Same in every respect as the Earliest White Vienna, except in the outside color. **Pkt., 5c. and 10c.; oz., 25c.; 1/4 lb., 75c.**

**LETTUCE**

**Two ounces of seed to 100 yards of row; one ounce for 2,000 plants.**

**Culture**—Lettuce is now sown during most all seasons of the year. For outdoor use the seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 inches apart, 10 inches apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For Winter use sow the seed in September in hotbeds and follow it with other sowings for succession.

**M. & S. Belvedere Lettuce**—In 1912 we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our Truck Farmer customers had with it. The M. & S. Belvedere is extremely slow in running to seed; it is therefore the ideal lettuce to plant in the Spring, as it withstands the Summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp and has a fine yellow heart. The seed is scarce, and we advise our customers to order quick. **Pkt., 10c.; oz., 25c.; 1/4 lb., 75c.; 1 lb., \$2.50.**

**Best of All**—A great drought and heat resister; forms large compact heads of light green leaves and yellow heart. **Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 40c.; 1 lb., \$1.50.**

**Black Seeded Simpson Lettuce**—Fine, large, loose heads, early, finely fringed and curled; very popular for family garden and forcing. **Pkt., 5c. and 10c.; 1/4 lb., 35c.; 1 lb., \$1.25.**

**M. & S. All-Right**—For early Spring and Fall sowing. Produces beautiful light green heads, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 35c.; 1 lb., \$1.25.**

**Grand Rapids**—Excellent for forcing, fine quality, large, loose, yellowish-green head, stands well. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 35c.; 1 lb., \$1.25.**

**Romain White Paris Cos**—Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. **Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 40c.; lb., \$1.50.**

**California Cream Butter**—A good Summer sort, of reliable heading quality. Yellowish-green, slightly marked with brown specks. This is a variety growing in favor. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 35c.; lb., \$1.25.**

**Improved Hanson**—Large, compact, reliable header; outside leaves curled. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 35c.; lb., \$1.25.**

Mr. Joe Polaski, of Severn, Md., tells us that in his long experience of growing Cucumbers he has never had any Cucumbers as handsome as the ones that he raised from the new Klondike Seed which he purchased from us last season.

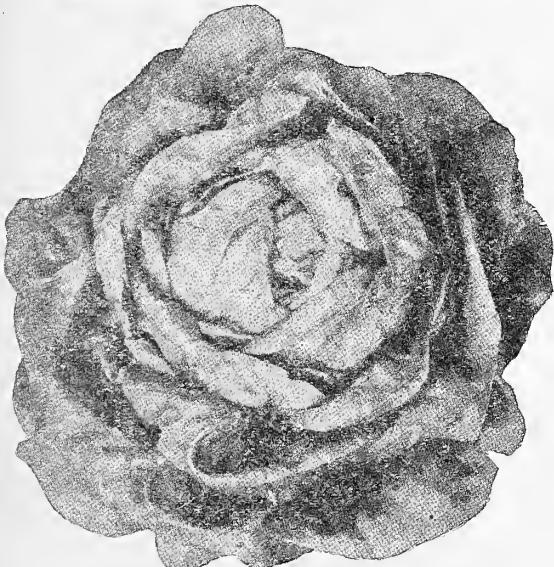
**Boston Market, or White-Seeded Tennisball**—Early and compact, quite desirable, good forcer. **Pkt.**, 5c. and 10c.; oz., 15c.; lb., 35c.; lb., \$1.25.

**Oak Leaf**—Quite popular. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb.; c.; lb., \$1.25.

**Improved White Loaf**—Large, compact heads. Light-green color; tender and crisp. The best Winter lettuce to plant. **Pkt.**, and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Defiance**—Leaves green, heads large, solid; one of the best large-growing cabbage lettuces. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**M. & S. Strain All-Season**—A cabbage lettuce of sterling merit, making larger and more closely folded heads than any other own variety. The outer leaves are a bright, soft green, the inner ones rich golden yellow. The solid heads measure from eight to ten inches across. Black seed. **Pkt.**, 5c. and 10c.; oz., c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.



**Big Boston Lettuce**

**Big Boston**—Resembles Boston Market, but nearly twice as large, desirable for forcing and Spring and Fall outdoor planting. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25.

**May King**—This valuable new lettuce is, without any question, one of the best lettuces on the list for early Spring planting in open ground. The heads are six to seven inches in diameter, a clear light green, the outer leaves being slightly tinged with yellow, the inner being clear, bright yellowish, with very rich, yellow flavor. It is an excellent market sort, the round, compact heads being so solid that they carry extremely well. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Way-a-Head**—Similar to the above, but suitable for all-season or outdoor planting. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

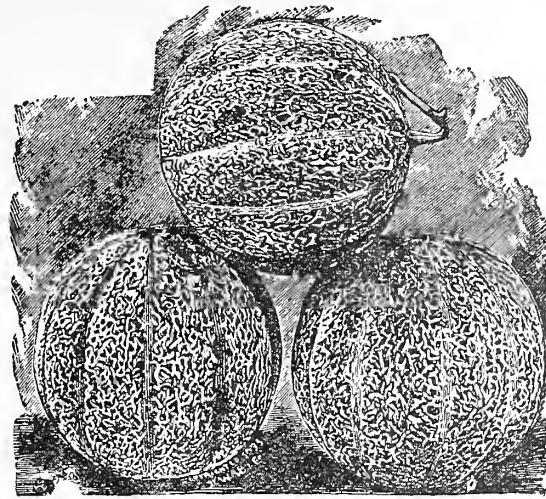
**Unrivalled**—This grand new lettuce can be sown most any time, slow in running to seed; has beautiful green outside leaves and white heart and is tender and crisp. **Pkt.**, 5c. and 10c.; oz., c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Lettuce Plants**—10c. doz., 15c. postpaid; 40c., 100, 50c., postpaid; \$2.50, 1,000.

## MUSKMELON, or CANTELOUPE

10 ounce will plant about 50 hills; two to three pounds in hills to acre.

**Culture**—Thrives best in light, rich soil. Plant early in May, hills six feet apart. Manure in hill and sow seed freely. Danger from bugs is past thin to three plants per hill when one foot long, pinching off tips makes vines branching strong, and fruit will mature earlier. Water freely and liquid manure occasionally. For early use, sow in hotbed, piece of sod.



**Rocky Ford Cantaloupe**

**Rocky Ford**—We have a very fine stock of this popular cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. **Pkt.**, 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

### NEW HONEY DEW CANTALOUPE OR MELON

Honey Dew produces a melon with smooth, almost white rind, measuring about six inches in diameter by seven to eight inches long. The green flesh is thick and is of a peculiar sweet flavor, resembling a well-ripened banana—to have the melons in the best condition we suggest gathering (or picking) as soon as they slip from the vine and store in a cool place for two or three days before serving, as (like a Casaba) they apparently are at their best when a trifle overripe. While we cannot yet recommend Honey Dew for general culture, we offer selected seed at: **Packet**, 10c.; oz., 40c.;  $\frac{1}{4}$  lb., \$1.25.

**Bottomly Cantaloupe**—True Anne Arundel strain. Great favorite with the Anne Arundel County truckers. Medium size, round, deeply netted, green flesh and delicious flavor. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

**M. & S. Delicious Gold-Lined Rocky Ford Cantaloupe**—This strain of the Eden Gem type is the result of several years selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs, and it is heavily netted over the entire melon. The bloom button is small and flesh as thick at the end as elsewhere. The melon is thick meated, fine grained and sweet; color, green, with a gold margin next to the seed cavity. Our claim for this melon is its uniform shape, size and very superior quality. Its flesh is attractive and elicits favorable comment when served. Every seed we offer from this strain will be from a select melon and hand seeded. We recommend this seed for the use of Melon Growers' Associations and high-class Market Gardeners. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

**Early Netted Gem**—One of the best of small melons, and very popular. Prolific and of excellent quality. Very early. A great favorite. Green fleshed. **Pkt.**, 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**Emerald Gem**—Small, green skin, delicious yellow flesh. **Pkt.**, 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**Acme, or Baltimore Nutmeg**—A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality; green fleshed. **Pkt.**, 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**Jenny Lind**—Very early, small, round, netted and of fine quality; green fleshed. **Pkt.**, 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**Hackensack, or Turk's Cap**—A very fine, large sort; green fleshed. **Pkt.**, 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**Miller's Cream, or Osage**—Melons are large and round, with light green, netted skin, and thick, sweet, salmon-colored flesh. **Pkt.**, 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Knight Cantaloupe**—True Anne Arundel County grown strain. The great favorite of the Baltimore market, of good size, deeply netted, green flesh, and delicious flavor. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25.

**Banana**—This melon surpasses all others in its delicious fragrance. The flesh (the melon being nearly solid) is of a rich salmon. The quality is first rate when the melon is thoroughly ripe. It grows from 20 to 28 inches in length and is very prolific. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.

**Montreal Market**—The large fruits are nearly round in form, slightly flattened at ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy netting. The flesh is two inches thick, light green, melting, and of delicious flavor. This is the variety which is grown exclusively on the Island of Montreal, and commands such high prices during the Fall months. **Pkt.**, 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25.

Gentlemen—For the last 3 years we have been buying seeds  
Yours truly,

from you and everything turned out to our entire satisfaction.  
R. C. RANDLE, Farm Manager, Maryland School for the Blind.

## WATERMELON

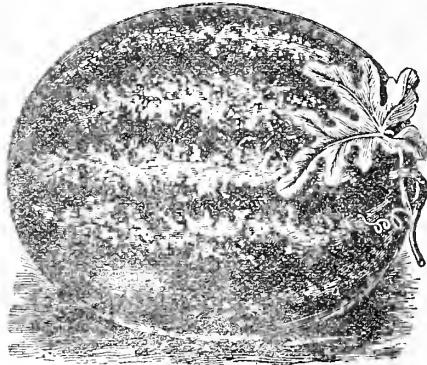
One ounce for thirty hills; four to five pounds for an acre.

**Culture**—Watermelons should be planted in hills eight to ten feet apart. Otherwise for culture, see directions for cantaloupes. Do not grow them near pumpkins or gourds.

### TRY THESE IN YOUR NEXT GARDEN.

**New M. & S. Golden Heart Watermelon**—A decided novelty in Watermelons. Vigorous vines producing an abundance of light green melons, which have delicious yellow meat almost to the rind. **Pkt., 10c.; oz., 25c.; 1/4 lb., 75c.**

**Monte Cristo, or Kleckley Sweets**—Where sweetness combined with large size is desired this variety will surely please, as it not only produces melons above the medium size, but has that crisp, sugary flavor so much desired in a watermelon. It is the sweetest of all. Oval shape, skin dark green and somewhat mottled. The rind is thin, but sufficiently tough to stand carrying to nearby markets. **Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.**



Mountain Sweet

**McIver's Wonderful Sugar**—Resembles Old Rattlesnake, superior in quality. **Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.**

**Gray Monarch, or Long White Icing**—Very large, long, crimson flesh. **Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.**

**Mountain Sweet**—Popular sort; early and sweet. **Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.**

**Indian Chief**—Excellent shipper; none better for the private garden. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 35c.; lb., \$1.00.**

**Tom Watson**—This melon has created quite a furor whenever grown, and we believe is unquestionably the best quality shipping melon in our list. It has a dark green rind, solid red luscious meat, ripening close up to the rind. The rind is very tough, making it an excellent melon for shipping long distances. Its flavor and fine qualities also commend it very strongly for the private grower. It is the most popular melon on our list. **Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.**

**Improved Georgia Rattlesnake**—The Old Rattlesnake has always been regarded as a fine melon. Our strain is the result of careful selection by an experienced melon grower through many years of careful and watchful work. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. **Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.**

**Citron**—Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc. **Pkt., 5c.; oz., 10c.; lb., 75c.**

## MUSTARD

**White Mustard**—For salads and culinary purposes. **Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.**

**Brown Mustard**—Stronger than above. **Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.**

## PURE CULTURE, SPORE PROCESS MUSHROOM—SPAWN

The latest and most far-reaching discovery in the productions of Pure Culture Spawn is the "spore process" recently developed by a French scientist after many years of patient research. Up to that time nature's method of germinating the spores of the mushroom had remained a profound mystery, and the preservation of desirable varieties involved many difficulties because of the necessity of securing spore stock for basic cultures.

This process has just been acquired by the company whose spawn we handle, at a great outlay, and is now exclusively controlled by them. It removes the last element of uncertainty in the manufacture of Pure Culture Spawn and insures a product of remarkable and uniform strength and prolificness.

Have you ever raised Mushrooms or are you trying to and not meeting with success? The Spawn we offer is the best obtainable, and with each purchase of same we give away, when desired, a complete guide on Mushroom culture, which otherwise sells for 25 cents.

The ever-increasing demand for this delicacy for hotels and the home table has resulted in the establishment of many successful commercial growers.

Gentlemen—I think it may be of some interest to you to know that I have had wonderful results with your pure culture Mushroom Spawn. Most respectfully,

**Culture**—Mushrooms can be grown in cellars, sheds, hotbeds, and sometimes in the open air. Fermenting horse manure, at a temperature of about 70 degrees and mixed with an equal weight of fresh sod loam, is made into beds the required size, eight inches deep. See to it that the bed is packed solidly and evenly. In this bed plant the broken pieces of Spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant eight or ten feet of bed. The Mushroom will appear in about six weeks. Water sparingly with lukewarm water. Estimate one brick for about eight square feet of bed.

Prices for Pure Culture, Spore Process Spawn (if ordered be sent by Parcel Post, include postage, according to zone; brick weighs 1 1/4 lbs.). **1 brick, 25c.; 5 bricks, \$1.10; 10 bricks, \$2.00; 25 bricks, \$4.50; 50 bricks, \$8.50; 80 bricks, 1/2 case, \$12.50; 160 bricks, full case, \$24.00; latter two f. o. b. growing station**

**Mushroom, or Hotbed Thermometers**—Wood frame, heavy brass point. **Price, \$1.75.** Parcel post weight, 2 lbs. Iron frame and point very strong. Parcel post weight, **\$1.75.**

**Book on Growing Mushrooms**—Postpaid, 25 cents.



## OKRA, or GUMBO

Four ounces to forty feet of drill.

**Culture**—Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills three feet apart, one inch deep; thin to 10 inches apart in drills.

Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious.



Improved Dwarf Green Frolio Okra

**White Velvet, or Lady Finger**—Bear round, white, smooth pods, unlike other varieties, which are ridged or squared. The pods are of extra large size and are produced in great abundance. **Pkt., 5c., oz., 10c.; 1/4 lb., 25c.; lb., 60c.**

**Improved Dwarf Green Prolific**—Of dwarf growth, but immensely productive and very early. Short, thick, green pods. Known grown seeds of superior quality. **Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 60c.**

**Perkins' Mammoth Podded**—Distinct, valuable new okra. Its productiveness is simply wonderful. The pods shoot out from the stalk within three inches of the ground, and the whole plant covered with them to the extremity of its height. The pods are of an intense green color, of unusual length—eight or nine inches—and do not get hard, as is the case with other okras. Very superior for canning. **Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 60c.**

## ONION

**American Grown Seed**. One ounce for 100 feet of drill; six pounds for one acre.

**Culture**—For sets sow the seeds early as possible in the Spring, very thickly, in drills. As soon as the tops dry off in the Summer, remove them to a dry, airy place, and early in the following Spring replant by placing the sets in shallow drill 12 inches apart and about four inches apart in the drills; the onions of this process obtained are of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills one foot apart and about one-quarter inch deep in March or early April, in strong land well manured, and thinning them out to stand three or four inches apart in the drills.

By sowing Onion Seeds in frames in February or March, and transplanting in April, Onions of immense size can be obtained. Use Prizetaker or Bermuda varieties for this.

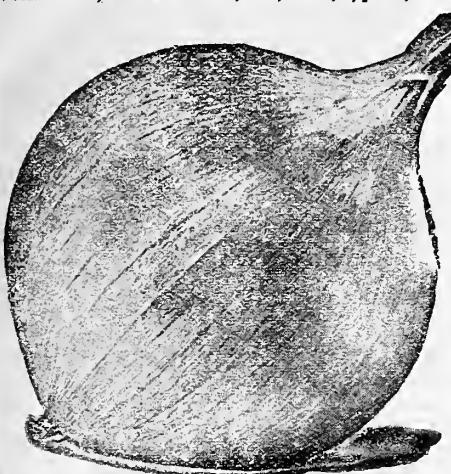
**Yellow Globe Danvers**—One of the most extensively used yellow onions. Bulbs of medium size, uniformly globe shaped with small neck, and ripen very evenly. Flesh white, crisp and of mild and excellent flavor. We have developed a strain which has the ripening habit and small neck of the original Danvers and yet is more globular, thus giving larger yield and handsomer bulbs without sacrificing any of the good qualities of the original Danvers. **Pkt., 5c.; oz., 25c.; 1/4 lb., 90c.; lb., \$3.00.**

Gentlemen—I think it may be of some interest to you to know that I have had wonderful results with your pure culture Mushroom Spawn. Most respectfully,

MRS. J. J. GEORGE, Long Green, Md.

**White Silverskin**—Ripens early; of large size, mild in flavor and excellent for Winter use; much esteemed for pickling when small. **Pkt.**, 5c. and 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**Large Red Wethersfield**—Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. **Pkt.**, 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 90c.; lb., \$3.25.



Prizetaker Onion

**Australian Brown**—The bulbs grow to a good marketable size, and are very hard and solid. They ripen earlier than either Yellow Danvers or Red Wethersfield, are beautiful brown color and mild flavor. **Pkt.**, 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.50.

**Chives Seed**—**Pkt.**, 10c.; oz., 75c.

**Bermuda Varieties**—They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full-grown onions from seed the same season. In the South seed sown in the Fall will produce fine large onions for market in early Spring.

**Red Bermuda**—**Pkt.**, 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00.

**White Bermuda**—**Pkt.**, 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00.

## ONION SETS

One quart will plant a row about 50 feet.



Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb in the ground lightly and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for Winter storage as early as July 10th. The advantage in planting set lies in the fact that the young onion is ready in five weeks from time of planting, while those grown from seed cannot be used until well in the Autumn. Shipped on local orders about March 1st, unless otherwise requested.

If ordered to be sent by Parcel Post, include postage, according to zone; a quart of Onion Sets weighing about  $\frac{1}{2}$  lbs.

**Yellow Danvers**—**Pt.**, 20c.; qt., 30c.; pk., \$1.75; bu. of 32 lbs., \$5.00.

**Large Red Wethersfield**—**Pt.**, 20c.; qt., 30c.; pk., \$1.75; bu. of 32 lbs., \$5.00.

**White Silver Skin**—**Pt.**, 25c.; qt., 35c.; pk., \$2.00; bu. of 32 lbs., \$6.00.

**Multiplier Onion Sets**, yellow and white, are furnished in September and October. Market price.

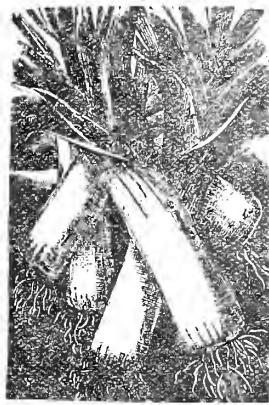
Price on Onion Sets subject to change.

Wish you would please send me to this place one of your catalogues. I want to buy a Knapsack Tree Sprayer. I have purchased all my seeds from you personally, and will say they were all perfectly satisfactory. Thanking you, I am,

## LEEK

One ounce to 150 feet of row.

**Culture**—Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows one foot apart and four to five inches in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.



**Giant Carentan**—Produces a large, thick stem, and of mild flavor. **Pkt.**, 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

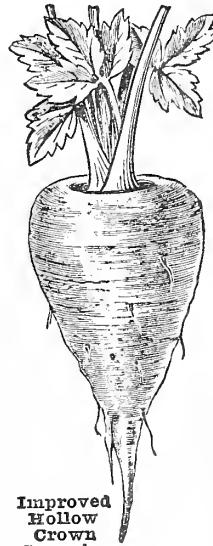
**American, or Flag**—One of the hardiest and best for Winter use. **Pkt.**, 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

## PARSNIP

One ounce for 200 feet of drill; five to six pounds for an acre.

**Culture**—Sow as early in the Spring as the weather will admit, in drills 15 inches apart and one-half inch deep, in a rich, deep soil; thin out to six inches apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use.

**Improved Hollow Crown**—The best variety. A great cropper, roots long, very smooth, white, tender, sugary, and of excellent flavor. **Pkt.**, 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.



## PEPPER

One ounce will produce 1,000 plants.



Mammoth Ruby King Pepper

Improved Hollow Crown Parsnip

**Culture**—Sow in hotbeds in March or April, or on a warm, sheltered border in May, and when the season is favorable transplant in rows two feet apart and 18 inches in row, in good, rich ground.

**Mammoth Ruby King**—Good for Mangoes or pickling, very sweet. Large, quite productive. **Pkt.**, 5c. and 10c.; oz., 50c.

**Large Bell, or Bull Nose**—Large, early variety; hot flavor, thick and fleshy. **Pkt.**, 5c. and 10c.; oz., 50c.

**Chinese Giant**—This is a real monster pepper, perfectly sweet, the fruit is green turning to bright scarlet, matures very late, a very shy seeder. Fine for stuffed mangoes. **Pkt.**, 10c.;  $\frac{1}{2}$  oz., 35c.; oz., 60c.

**Perfection Pimento Pepper**—Compact plant of uniform growth. Bearing an abundance of perfectly sweet large peppers, which can be used in their green state or when the fruit has turned red. It is the best sweet pepper for the home garden. **Pkt.**, 10c.;  $\frac{1}{2}$  oz., 40c.; 1 oz., 75c.

PEPPER—Continued on next page

Very truly yours,

H. S. GOVER, Derry, Pa.

**PEPPER—Continued**

**Large Sweet Spanish**—A variety rivaling with Chinese Giant is, however, not as large. Color and shape very similar, also late in maturing; for mangoes or pepper hash this is an ideal sort. **Pkt.**, 5c. and 10c.; **oz.**, 40c.

**Neapolitan**—This variety is an excellent one, grows a long shape and somewhat narrow; it stands upright on the bushes. The fruit is sweet and bright red; a very early sort. **Pkt.**, 10c.; **oz.**, 40c.;  $\frac{1}{4}$  lb., 50c.

**Long Red Cayenne**—Long, slim, and very pungent. **Pkt.**, 5c. and 10c.; **oz.**, 40c.

**Small Chili**—Small, red, conical pods. Very hot and prolific. **Pkt.**, 5c. and 10c.; **oz.**, 40c.

**Red Cherry**—A small round pepper, very hot. **Pkt.**, 5c. and 10c.; **oz.**, 30c.

**Golden Dawn**—A large yellow variety, very sweet. **Pkt.**, 10c.; **oz.**, 40c.

**Pepper Plants**—Ready in May and June. **Doz.**, 20c.; 100, 75c. Via parcel post, 25c. and 85c.

**PARSLEY**

One ounce to 150 feet of drill.

**Culture**—Parsley requires rich, mellow soil. The seed is even slower than Parsnip in germinating, and should be sown as early as possible in the Spring, in drills one foot apart, and when the plants are well up thin to one foot in the row. When the plants are about three inches high cut off the leaves, the plant will start a new growth.



**Champion Moss Curled**—A distinct variety of unequalled merit, beautifully crimped and curled. It can be cut the year round, as it rarely runs to seed. **Pkt.**, 5c.; **oz.**, 10c.;  $\frac{1}{4}$  lb., 30c.; 1b., \$1.00.

**Green Mountain Parsley**—Beautifully crimped and curled; perfectly hardy and vigorous grower. **Pkt.**, 5c.; **oz.**, 10c.;  $\frac{1}{4}$  lb., 30c.; 1b., \$1.00.

**Plain, or Single**—Very strong in flavor, but not curled. **Pkt.**, 5c.; **oz.**, 10c.;  $\frac{1}{4}$  lb., 30c.

**Hamburg, or Rooted**—Edible roots. **Pkt.**, 5c.; **oz.**, 10c.;  $\frac{1}{4}$  lb., 35c.

Bushel Prices on Application.

**GARDEN PEAS**

Sow one quart of seed to 100 feet of row; one and one half to two bushels to the acre in drills.

**Extra Early Peas**—Weigh 60 lbs. to the bushel.

**Wrinkled Peas**—Weigh 56 lbs. to the bushel.

**Culture**—Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts three feet apart and tall sorts four feet apart, or in double drills, six to eight inches apart, one inch apart in the drill, and not less than four inches deep, for late sorts five to six inches deep. Deep planting prevents mildew.

**Packets of all varieties of Peas**, 5c. and 10c.

If wanted by Parcel Post, include postage, according to zone. Weight, 1 pt., 1 lb.; 1 qt., 2 lbs.; **pk.**, 15 lbs.

Prices on all Pea Seeds are subject to market changes.

Six first-class Peas which will mature according to rotation: E. E. Alaska. Prolific Early Market. "M. & S." Little Marvel. Gradus, or Prosperity. Daisy, or Dwarf Telephone. Telephone.

**EXTRA EARLY VARIETIES**

Use M. & S. Inoculating Bacteria on the peas you plant and be surprised by results. Garden size, 40c.; one-acre size, 75c.; six-acre size, \$3.00.

Gentlemen—I bought one bushel of Telephone Peas from you and yielded 116½ bushels and sold for \$404.80. I beat all my neighbors.

**Extra Early Alaska**—Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**Pedigree First and Best**—An excellent strain of first early peas; very popular and largely planted throughout the trucking sections. Height two to two and one-half feet. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

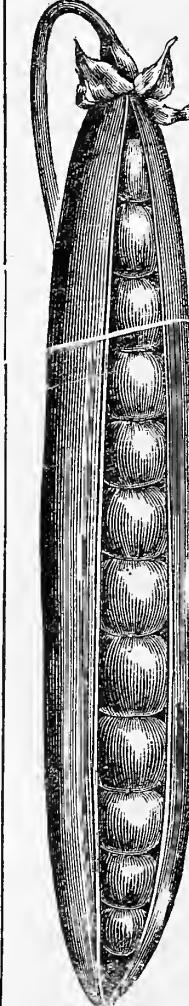
**Prolific Early Market**—This is one of the largest podded and most productive of all smooth-seeded extra early peas. Vines grow about 30 inches in height, and can all be gathered in two pickings. The pods are remarkably well filled, and the peas sweet and fine flavored. A most satisfactory prolific early sort, both for the market gardener and the home gardener. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**Long Podded Alaska**—Vines of this variety grow about three feet high and are heavy bearers. The pods, three inches long, mature shortly after Alaska and are well filled with sweet, tender peas. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**M. & S. Bountiful**—Resembling Long Pod Alaska in general habit of growth. Vines light green in color. Pods 3 inches long, slightly curved. Seed bluish green, medium size and pithy. Height of straw, 30 inches. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**M. & S. Saxonia**—This is a grand new extra early pea, maturing in 75 days. Height of vine 30 inches, a very prolific bean, bearing handsome pods 2½ inches long all along the vine. Traders will find this a profitable pea to plant. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

Bushel prices on application.



**World's Record Peas** (actual size) **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**Bliss Everbearing or Abundance**—Vine stout about two and one-half feet high, bearing at the top six to ten broad pods. If these are picked as they mature and the vines are treated same with your M. & S. Legume Inoculator, same



**Extra Early Alaska Peas**

**EARLY WRINKLED VARIETIES**

**M. & S. World's Record**—The earliest wrinkled peas ever introduced. Similar to Gradus, but a week to ten days earlier and more uniform in its ripening period. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**Gradus, or Prosperity**—One of the most popular wrinkled sorts. Even though it matures a short time later than the extra early varieties, the pods, fully as long as those of well-known Telephone, contain very large peas that are unexcelled for sweetness. Super variety for market or garden. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**M. & S. Little Marvel Pea**—An extremely valuable variety, superior to Nott's Excelsior and American Wonder, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs, and are closely filled with seven to eight peas of extra fine flavor. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**Thomas Laxton**—An exceptionally fine variety, growing three feet in height and yielding large podded peas, four to five inches long, of the finest flavor. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**Nott's Excelsior**—One of the best early wrinkled peas. It grows about 14 inches high, very productive, and the pods three inches long, generally contain six or seven large, sweet peas of the finest quality. We recommend for home use. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**American Wonder**—Dwarfer and a trifle earlier than the preceding, but not quite so productive. The peas are sweet, tender and of delicious flavor. **Pt.**, 35c.; **qt.**, 65c.; **pk.**, \$4.00.

**Daisy, or Dwarf Telephone**—The striking features of the Daisy Pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are nearly double the size of American Wonder, or Premium Gem, and are always well filled with large peas of most excellent quality. The vines are 16 to 18 inches high, and being strong and thrifty, require no support making it an ideal variety for use where brush or stakes are not available. This pea is desirable on account of the fine appearance of the pods, and always finds a ready sale.

**Bliss Everbearing or Abundance**—Vine stout about two and one-half feet high, bearing at the top six to ten broad pods. If these are picked as they mature and the vines are treated same with your M. & S. Legume Inoculator, same

GEORGE PEARCE, Fork, Md.

season and soil are favorable, the plant will throw out branches bearing pods which will mature in succession, thus prolonging the season. The peas are large and wrinkled, cook very quickly, are tender, of superior flavor and preferred by many to any other sort. **Pt., 35c.; qt., 65c.; pk., \$4.00.**

## MEDIUM and LATE VARIETIES

**Telephone**—For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods, four to four and one-half inches long, are light green in color and filled with large, sweet, tender peas. **Pt., 35c.; qt., 65c.; pk., \$4.00.**

**M. & S. Yorkshire Hero**—An old and well-known variety and justly prized for its genuine worth. It is hardy and productive, upright in growth, stout and branching. It bears near the top of the vine broad pods well filled with large peas. **Pt., 35c.; qt., 65c.; pk., \$4.00.**

**Champion of England**—A standard pea; vines grow four and one-half feet high and bear medium-sized pods of peas of good quality. **Pt., 30c.; qt., 45c.; pk., \$3.25.**

**Improved Sugar Marrow Peas**—We have the genuine stock of this variety. This pea is the kind planted principally by the larger growers around Baltimore for late crop. It is a strong grower and produces an abundance of large, well-filled pods. **Pt., 25c.; qt., 45c.; pk., \$3.25. 60 lbs. to bushel.**

**French Canner**—Largely grown for canning. It is very productive, the pods are long, slightly curved and well filled; quality is good; late. **Pt., 25c.; qt., 45c.; pk., \$3.25. 60 lbs. to bushel.**

**Dwarf Melting Sugar**—The pods as well as the peas of this variety are edible and both very sweet. **Pt., 35c.; qt., 65c.**

Use **M. & S. Legume Inoculator** on Garden Peas and watch results. Price, 40c. per bottle. Acre size, 75c. 6 acres, \$3.00.

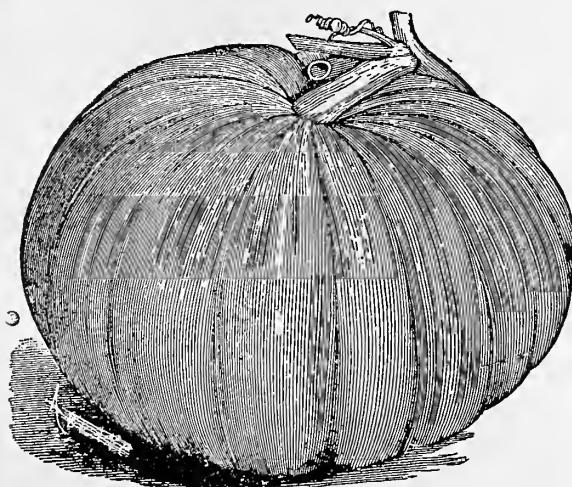
## PUMPKIN

One ounce of seed will plant fifteen hills; three to four pounds plants an acre.

**Culture**—Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner. Sow in the month of May. Make hills the same as you do for squashes, but do not make the hills too close. You will find that eight to ten feet apart each way is much better than closer planting. It is preferable to grow large quantities of Pumpkins as a special field crop, and not in the kitchen garden, as they always mix so badly with squashes and other vines. The few you do need to grow in the home garden you should put in your most remote corner. You will, of course, sow some amongst your corn, putting in a few seeds, say every third or fourth hill, after the last working; this will give you plenty for the table and your stock the coming Winter.

**Cushaw, or Winter Crookneck**—An old standard variety, which is very popular. It is also used for feeding stock. Long yellow crook-neck, fine grained yellow flesh, very solid. **Pkt., 5c.; z., 10c.; 1/4 lb., 25c.; lb., 90c.**

**Japanese Pie**—Flesh very thick, rich salmon color, fine grain, dry and sweet. **Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.**



King of Mammoth, or Pot Iron

**Tennessee Sweet Potato**—Excellent for pies; pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first-rate keeper. **Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; lb., 90c.**

**Cheese**—Shape flat like a cheese box; good keeper, popular. **Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.**

**King of the Mammoths, or Pot Iron**—An immense variety, which always wins prize offered for the largest and best pumpkins grown to weigh over 200 pounds. Flesh of a rich, golden yellow; a splendid keeper. **Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; lb., \$1.00.**

**Common Yellow, or Connecticut Field**—Very productive; for feeding stock. **Pkt., 5c.; 1/4 lb., 15c.; lb., 50c.**

## POTATOES

Present Price on All Kinds. **Pk., \$1.00; bu., \$3.50.**

Ten bushels cut tubers will plant one acre.

Prices on quantity of Potatoes furnished on application.  
Potato prices subject to market fluctuation.

**Culture**—Planting may commence as early in the Spring as the ground can be worked. Place one piece every twelve inches in rows two and one-half feet apart, covering about four inches. When cutting the seed care should be taken that at least one good eye, or two small ones, is allowed to each piece. Sandy loam produces the best potatoes.

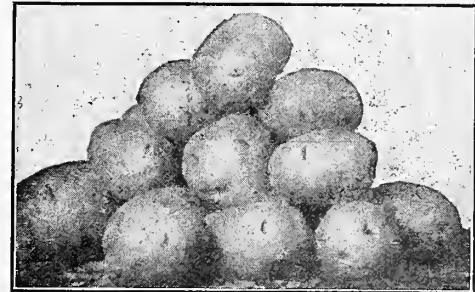
**Time of shipment**—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship them at customer's risk any time during cold weather.

Our potatoes are put up in barrel sacks of 165 lbs. each.

**Red Bliss**—Very early, thin, red skin, round, white flesh.

### Irish Cobbler

This is an early potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set. Considering its earliness, productiveness and excellent quality we do not hesitate to recommend this as one of the best early varieties.



Irish Cobbler Potato

### PRICE ON POTATOES ABOVE.

**M. & S. Fill Basket**—On account of the large yields that have been reported of this potato, our sales on it have increased wonderfully. It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper and is fast becoming one of the most popular medium late varieties. The vines are always very heavy, the seed being especially vigorous, and tubers always good size where soil is well tilled. Our customers will find the M. & S. Fill Basket a very reliable potato. Very smooth and a good cooker. We can furnish nice stock while the supply lasts.

**Houlton Early Rose**—The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years. It is preferred because it is a little earlier than the old Early Rose. A description of this variety is needless, as almost everyone knows of its excellence in quality and as a cooker.

**Bovee**—This variety is of recent introduction, and its general good qualities have attracted much attention. More productive and earlier than the Early Rose. Pink, or flesh-color, smooth, uniform marketable size; dwarf stock, vine permits close planting.

**Crown Jewel**—A well-known and deservedly popular early variety. Very productive and an excellent cooker. Skin white and smooth, eyes shallow, but strong.

**Beauty of Hebron**—It is a very rapid and vigorous grower, ripening fully as early as the Early Rose, which it resembles, but frequently exceeds in productiveness and excellence for table use. A very good keeper.

**Early Ohio**—This is a very profitable variety. It is fit for use before fully ripe. It is shorter and rounder than the Early Rose, of good quality and very early.

**POTATOES**—Continued on next page.

**POTATOES—Continued.**

**White Star**—We have very fine stock of this old reliable late potato. The Burbank is of excellent quality, yields well and is a splendid keeper.

**Improved Green Mountain**—For a main crop later potato we consider this variety one of the best. It is very white, has an excellent flavor, and is very productive. Popular with those who have tried it.

**Early Norther, New Queen, Carmen No. 3, Prosperity, Burbank**—All choice northern stocks. Prices furnished on application.

**Choice Seed Sweet Potatoes, Leading Varieties**—Prices on application.

**Sweet Potato Plants**—Ready in May and June. 40c. 100, parcel post, 50c.; 1,000 prices furnished on application.

**PEANUTS**

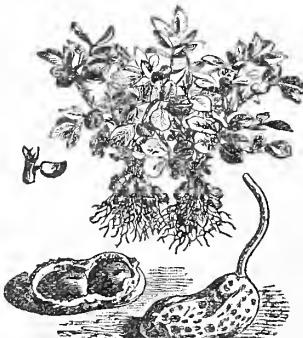
For medium light, loamy or sandy land. Peanuts are one of the most profitable crops that can be grown. They yield very largely—yields of 50 bushels per acre being reported on land too poor to plant corn. In addition to the yield of nuts, they yield quite largely of nutritious forage, and will yield ordinarily about a ton of excellent dry forage per acre, in addition to the crop of nuts.

**Culture**—Peanuts should be shelled before planting. They should be planted in May or early June, in rows about two and one-half to three feet apart, dropping the nuts eight to ten inches apart, one in a hill. Cover one or two inches deep. Cultivate three or four times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a shall turn-plow throw the dirt to the nuts. Do not cultivate too late in the season, as late cultivation is likely to injure the formation of the nuts. It is also advisable to make an application of lime, scattering it on top of the row just after planting, and to use a top-dressing of land plaster just after the last working. Peanuts require plenty of lime to make first-class nuts, and the use of lime and plaster as above mentioned is recommended by the most successful growers.

In harvesting, plow the Peanuts and then stack against stakes stuck into the ground, the roots with the Peanuts on them to the centre, and the leaves outside.

The Peanuts we offer are selected from the best and most productive crops grown in Virginia. Peanuts are one of the most profitable and satisfactory crops that are grown in the South, and we recommend to all our customers, even if they do not plant for market, to plant at least a small patch of Peanuts for home use.

**M. & S. Improved Jumbo Peanuts (Shelled)**— $\frac{1}{4}$  lb., 15c.;  $\frac{1}{2}$  lb., 25c.; 1 lb., 40c. Special price on large quantity.



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**RADISH**

One ounce for seventy-five feet of drill; nine to ten pounds in drills to one acre.

**Culture**—To be tender and crisp. Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of ten days, in a light, rich, deeply-worked soil. May also be sown as a catch crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.

**EXTRA EARLY VARIETIES**

**Ruby King, Extra Early**—Of brilliant red color, fine for forcing or open ground; roots are tender, juicy and mild. The best round red Radish that grows. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

**Crimson Giant**—Like above but much larger. Very desirable. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 50c.; 1 lb., \$1.75.

**Scarlet Globe Early**—This variety can be used for forcing and is recommended for early outdoor planting. It is a small, round, red radish, of excellent flavor. Its rich, crisp, tender flesh makes it very popular. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

**White-Tipped Scarlet Globe**—A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip. Very early and good quality. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

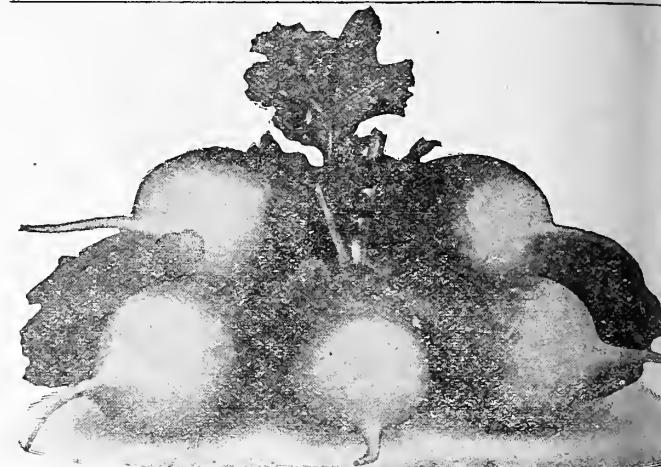
Gentlemen—It affords me great pleasure to inform you that from the Collier's Success Seed Corn you shipped me I raised barrels of corn to the acre on land which had no fertilizer or manure for two years. Yours truly,

F. SANDERS, Woodwardville, Md.

Gentlemen:

The Ruby King Radish Seed I bought from you grew the best radish I ever raised.

CHARLES LEISTNER,  
Halethorpe, Md.



White-Tipped Scarlet Globe Radish

**White Turnip (Short Top)**—Of quick growth; roots round pearly white, tails very thin; leaves short, flavor excellent. Fine for forcing and open ground. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.



**French Breakfast, Early—Oblong shape, rapid grower, very mild and tender; of a beautiful scarlet color, topped with white. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.**

**Early Long Scarlet Short Top**—The principal outdoors quick-growing variety, also very good for forcing. Grown in light, rich soil, its average length is about eight inches; grows half out of the ground, straight, uniform in color, brittle, crisp, small tops, bright scarlet. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 35c.; 1 lb., \$1.25.

**Icicle**—A beautiful long, slender radish, of recent introduction. Beautiful pearl-white color, firm and solid, slow to get woody. A good seller. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

**White Strasburg**—Handsome, oblong, tapering shape, both skin and flesh pure white; flesh firm, brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots

Icicle Radish

are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

**Early Long Scarlet Short Top**—A long Scarlet Radish with distinctive white tip. A suitable radish for deep mellow soil. A fine radish for the home garden as well as an attractive one for the market stall. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 35c.; 1 lb., \$1.25.

**SUMMER VARIETIES: Golden Globe**—A favorite Summer radish. Golden-brown skin, perfect globe shape, mild and brittle, slow to seed. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

**Large White Stuttgart**—Very large, top-shape flesh and skin white, firm quality, firm and brittle, seldom pithy. Can be stored for Winter. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

**Large White Summer Turnips**—Round, smooth and very white; crisp and tender. **Pkt.**, 5c. and 10c.; **oz.**, 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

## WINTER VARIETIES

**Long Black Spanish**—Large radish, with black skin and white flesh, grows six to eight inches long. **Pkt.**, 5c. and 10c.; 15c.;  $\frac{1}{4}$  lb., 35c.; 1b., \$1.25.

**Round Black Spanish**—Like the above except that it is round in shape. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; 1b., \$1.25.

**Long White Spanish**—Like the Long Black Spanish, only different in color. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; 1b., \$1.25.

**China Rose, or Scarlet China**—Bright rose-colored, stumpy, of excellent quality. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 1b., \$1.25.

**White Chinese, or New Celestial**—Large stump-rooted, white in skin and flesh, mild in flavor, brittle and never woody. For planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. **Pkt.**, 5c. and 10c.; 15c.;  $\frac{1}{4}$  lb., 40c.; 1b., \$1.50.

**Sakurajima (Mammoth Japan)**—The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as forty-one inches long and forty-three inches in circumference, in well to allow of proper development. **Pkt.**, 5c. and 10c.; 15c.;  $\frac{1}{4}$  lb., 75c.

**Merima**—Also a Japanese radish. Similar to Sakurajima, but round instead of long. Very tender and sweet. **Pkt.**, 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

## RHUBARB

**Culture**—Sow seed in a cold-frame, in a fine, rich, sandy soil, about the first of March, in drills four inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows twelve inches apart and twelve inches in the row. The following Spring transplant to a permanent location, setting four or five feet apart each way. In good soil Rhubarb is ready to use the second year from seed. When roots are set out plant them four or five feet apart each way, and keep the weeds down. If roots are used, a crop may be had after one season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure, to be spaded under in Spring.

**Victoria**—The leading variety. **Pkt.**, 5c. and 10c.; oz., 25c.; 1b., 75c.

**Roots**—Extra large and two-year-old. Each, 20c.; doz., \$1.50.

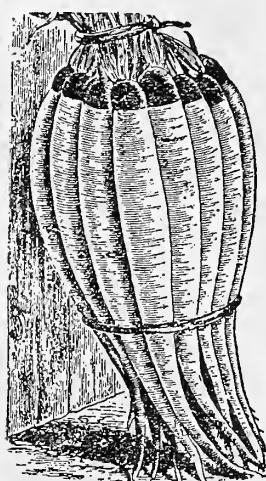


## SALSIFY, or OYSTER PLANT

One ounce to seventy feet of drill; about eight pounds to the acre.

**Culture**—Sow as early as the ground can be worked in the Spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces one-half inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips, and have a sweet and agreeable flavor like that of the oyster.

**Mammoth Sandwich Island**—This is an improved type and the largest and most profitable salsify now in cultivation. It is white in color, and a satisfactory sort in every way; invaluable to market-gardeners and truckers. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 60c.; 1b., \$2.00.



Mammoth Sandwich Island Salsify

## SPINACH

One ounce will sow fifty feet of drill; fifteen to twenty pounds to an acre.

**Culture**—Sow in early Spring, in drills a foot apart, every two weeks for a succession, and as it grows, thin out for use. For Fall use, sow in August, and for Winter crop in September. Cover that which is left out over Winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills two feet apart each way, three or four seeds in a hill.

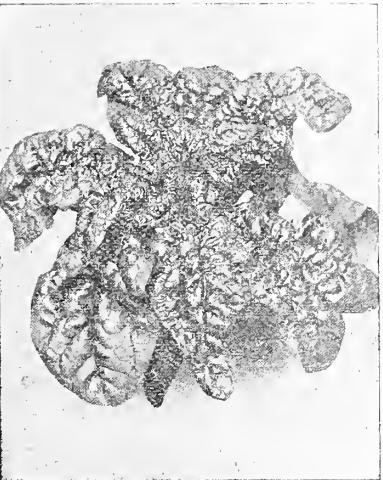
**Bloomsdale Savoy Leaved**—The popular Fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; 1b., \$1.00.

Prices on larger quantities furnished on application.

**Victoria**—A favorite for early Summer. It is one of the darkest in color, and with exception of the heart, the leaves are comparatively smooth. **Pkt.**, 5c. and 10c.;  $\frac{1}{4}$  lb., 50c.; 1b., \$1.75.

**Long Season**—Leaves are decidedly dark green in color, very broad, thick and fleshy. It resists the Summer heat remarkably well, in fact better than all others, and remains a long time in condition for use before going to seed. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; 1b., \$1.75.

**New Zealand**—Distinct from the ordinary Spinach in appearance. The plants are more spreading in growth with small, very dark green leaves, which may be had throughout the hot Summer months. Sow seed outdoors during May, dropping about three seeds in hills two feet apart each way. **Pkt.**, 5c. and 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.



Victoria Spinach

## SQUASH

Bush sorts, one ounce for fifty hills; five to six pounds to acre; running varieties three to four pounds in hills for an acre.



Early Mammoth White Bush Squash

over, leaving three to four of the strongest plants per hill.

**Early Mammoth White Bush Squash**—An excellent strain. Early prolific and much larger than the old White Bush. Splendid for market and best for shippers. **Pkt.**, 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; 1b., 85c.

**Summer Crookneck, Bush Variety**—About one foot long, with crooked neck, bright yellow, warty, shell hard when ripe. **Pkt.**, 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; 1b., \$1.00.

SQUASH—Continued on next page.

**Culture**—Squashes should be planted in a warm, light, rich soil, after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush Varieties three to four feet apart each way, and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is

over, leaving three to four of the strongest plants per hill.

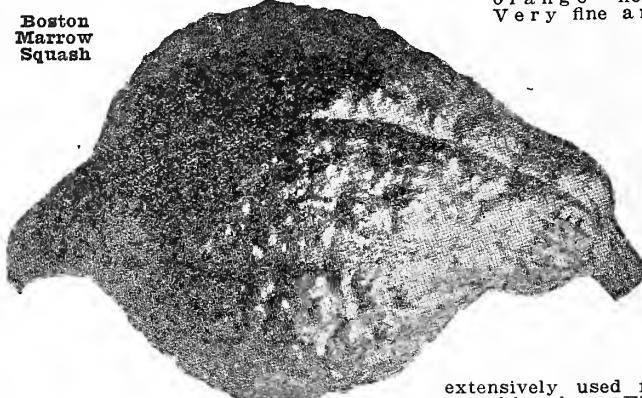
**SQUASH—Continued.**

**Hubbard**—An excellent keeper and of splendid quality. Vines of strong running growth. Large olive-shaped fruits with dark-green skin and very rich flesh. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 30c.; 1 lb., \$1.00.**

**Golden Hubbard**—Like the above, but of a beautiful orange-red color, except for a bit of olive-green on blossom end. Flesh deep orange, dry, fine grained and richly flavored. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 30c.; 1 lb., \$1.00.**

**Boston Marrow**—This is a large-fruited, hard-shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. **Very fine and**

**Boston Marrow Squash**



extensively used for pumpkin pies. Fine strong running growth. Very productive, oval shape. **Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; 1 lb., 75c.**

**VEGETABLE MARROW**

**Italian (Cocozelle di Napoli)**—Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or pale green. In Italy it is eaten when quite young. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 50c.**

**SORREL, or SOURGRASS**

**Culture**—Sow in Spring in drills 18 inches apart, in a rich soil and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

**Large French**—**Pkt., 5c.; oz., 25c.; 1/4 lb., 75c.**

**TOMATO**

One ounce for 1,500 plants; quarter pound (to transplant) an acre.

**Culture**—This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hot-bed about the first week in March, or latter part of February, in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground, in hills three or four feet apart, each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation), or the crop may be badly injured, especially if the cultivator is run too near the young plants.

**M. & S. Extra Early Incomparable**—We pronounce this new Tomato the best extra early we have seen. Compared with Earliana it is five days earlier, a heavier cropper, fruits fully as large, but thicker through from stem to blossom end, more solid and of a deeper red color. It ripens close up to the stem. It is quite dwarf with little foliage, but very compact. It is the greatest yielder we have even seen. We have counted fifteen marketable fruits on a single crown-setting. We do not mean to say that half the patch will do this, but we can honestly say that we saw a great many plants with seven, eight and nine fruits on a crown setting. We have tried this valuable variety out, thoroughly, and cannot recommend it too highly. All truckers who want large smooth Extra Early Tomatoes on the market early should plant it. Anno Arundel truckers can pick them June 15th. Order early, seed very scarce, grown exclusively by us. **Pkt., 25c.; oz., 75c.; 1/4 lb., \$2.75; 1 lb., \$1.00.**

**Extra Early I. X. L.**—Combines extreme earliness, immense size and prolificness. Fruit red, ripening mostly all at one time. **Pkt., 5c. and 10c.; oz., 35c.; 1/4 lb., \$1.25; 1 lb., \$4.00.**

**Sparks Earliana**—Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. **Pkt., 5c. and 10c.; oz., 35c.; 1/4 lb., \$1.25; 1 lb., \$4.00.**

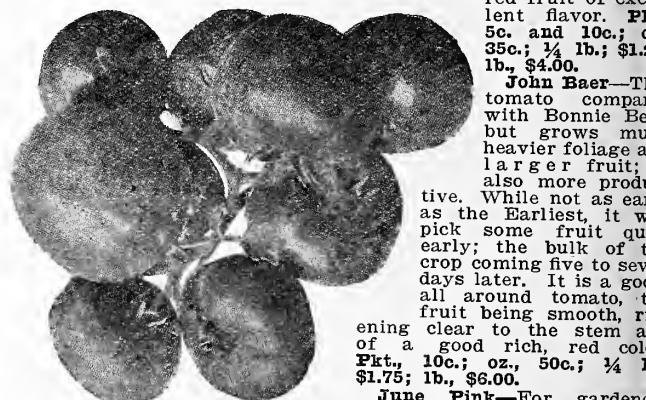
**Chalk's Early Jewel**—The finest of the very early tomatoes. About a week later than the Earliana, but far superior in quality.

**Fine red color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop.** **Pkt., 5c. and 10c.; oz., 35c.; 1/4 lb., \$1.25; 1 lb., \$4.00.**

**Extra Early Market**—Great favorite among the Anno Arundel County truckers on account of its earliness, productiveness, and uniformity of good size, smooth, red-skinned tomatoes. **Pkt., 5c. and 10c.; oz., 40c.; 1/4 lb., \$1.50; 1 lb., \$8.00.**

**King of the Earliest**—One of the largest Early Red Tomatoes, which well deserves its name. **Pkt., 5c. and 10c.; oz., 25c.; 1 lb., \$1.25; 1 lb., \$4.00.**

**Bonnie Best**—A tomato of fine quality. Early, round, smooth red fruit of excellent flavor. **Pkt., 5c. and 10c.; oz., 35c.; 1/4 lb., \$1.25; 1 lb., \$4.00.**



**John Baer**—The tomato compared with Bonnie Best, but grows much heavier foliage and larger fruit; also more productive. While not as early as the Earliest, it will pick some fruit quite early; the bulk of the crop coming five to seven days later. It is a good all around tomato, the fruit being smooth, ripening clear to the stem and of a good rich, red color. **Pkt., 10c.; oz., 50c.; 1/4 lb., \$1.75; 1 lb., \$6.00.**

**June Pink**—For gardeners who have a market for a early purplish pink fruit (which is produced in clusters). This is the variety to plant. True strain seed. **Pkt., 5c. and 10c.; oz., 25c.; 1/4 lb., 75c.; 1 lb., \$2.50.**

**M. & S. EXTRA EARLY IN-COMPARABLE TOMATO**

**Beauty**—Splendid for early market and shipping. Purple-tinged, excellent quality. A fine variety for home gardens. Good yielder. **Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 75c.; 1 lb., \$2.50.**

**Livingstone's Globe**—Glossy rose-color, tinged with purple very early, smooth and of large size; very productive and good keeper. A standard variety which retains its popularity very popular with Southern growers. **Pkt., 5c. and 10c.; oz., 25c.; 1/4 lb., 75c.; 1 lb., \$2.50.**

**New Queen**—Large, solid, smooth, handsome, deep red color; a heavy cropper and popular with canners. **Pkt., 5c. and 10c.; oz., 25c.; 1/4 lb., 75c.; 1 lb., \$2.50.**

**Maryland Pride**—A fine tomato for main crop. Producing enormous quantities of fine, large, red tomatoes, which carry well, making it a good shipper. **Pkt., 5c. and 10c.; oz., 25c.; 1 lb., 75c.; 1 lb., \$2.50.**

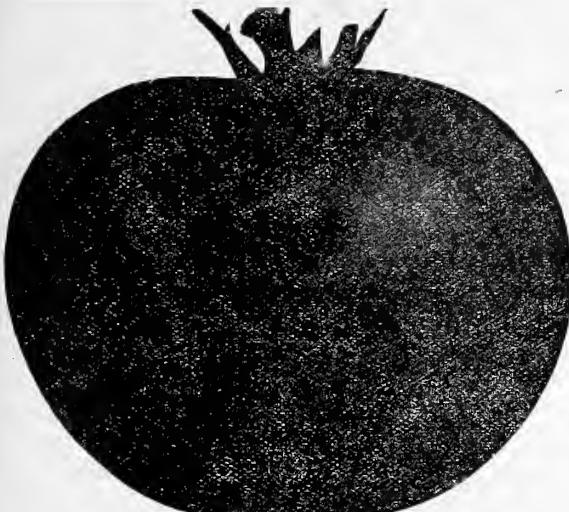
**New Stone**—This variety is one of the very best tomato grown. For productiveness, shipping and canning qualities it is excelled by none. Bright scarlet, fine flavor, very smooth and round. We recommend it as a thoroughly reliable main crop tomato. **Pkt., 5c. and 10c.; oz., 25c.; 1/4 lb., 75c.; 1 lb., \$2.50.**

**B. B. (Brinton's Best)**—A very fine late crop tomato, which is similar to the New Stone. Keeps well after being picked. Vigorous grower and quite popular. **Pkt., 5c. and 10c.; oz., 25c.; 1/4 lb., 75c.; 1 lb., \$2.50.**

**Ponderosa**—Remarkably large and of fine quality. Very solid. **Pkt., 10c.; oz., 35c.; 1/4 lb., \$1.25.**

**Dwarf Champion**—Stems short, thick, stiff, almost self-supporting. Fruit large, round, red-tinged purple, borne in show clusters. A good variety. **Pkt., 5c. and 10c.; oz., 25c.; 1/4 lb., 75c.; 1 lb., \$2.50.**

Mr. Fred Ravadge, of Fullerton, Md., a prominent truck grower, tells us that he never before raised such perfect Radishes as he did from our White Chinese or New Celestial Radish Seed which he purchased from us last August.



M. & S. Big Chief Tomato

**M. & S. Big Chief**—A grand new main-crop tomato of the very best quality. It produces an abundance of large handsome red fruit, which ripens clean to the stem and will bear heavily from early part of July until frost. It is a very shy seeder. The eat is deliciously juicy and free from acid. It is rare to see an ill-shaped fruit on a **M. & S. Big Chief Vine**. We have tested this valuable new variety very carefully and have always been more than satisfied with the results. Order quick, as the seed scarce, grown exclusively by us. **Pkt., 25c.; oz., 75c.; 1/4 lb., 1.75; 1 lb., \$10.00.**

**Kelly's Red**—This variety has obtained immense popularity in the last few years. It was originated in Anne Arundel County. Its solidity and carrying qualities are remarkable. Its color is a desirable red. Its shape perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. **Pkt., 5c. and 10c.; oz., 30c.; 1 lb., \$1.25; 1 lb., \$4.00.**

**Greater Baltimore**—General crop tomato of sterling merits; large, smooth, beautiful red skin fruits, which are produced in great abundance until frost kills the vine. **Pkt., 5c. and 10c.; oz., 30c.; 1/4 lb., \$1.25; 1 lb., \$4.00.**

**Wisdom**—This tomato of recent introduction has become very popular. It is a great yielder of large handsome red fruit, which ripens clean to the stem. It makes very strong vines and should be given plenty of room. **Pkt., 25c.; oz., 50c.; 1/4 lb., \$2.25; 1 lb., \$3.00.**

**Golden Queen**—Bright yellow, large and solid. **Pkt., 5c. and 10c.; oz., 35c.; 1/4 lb., \$1.25.**

**Yellow Pear and Yellow Plum**—Two small-fruited kinds for preserves. **Pkt., 5c. and 10c.; oz., 35c.; 1/4 lb., \$1.25.**

**Red Pear**—Pear-shaped red. **Pkt., 5c. and 10c.; oz., 40c.**

**Peach**—Very small, pink fruit, with slight peach bloom on skin. **Pkt., 5c. and 10c.; oz., 40c.**

**Tomato Plants (of all leading, popular varieties)**—Ready in April. **Dozen, 20c.; 100, 75c. Via Parcel Post, 30c. and \$1.00.**

**Special prices on Tomato Seed to Canners and Grangers who buy in large quantities.**

## TURNIP

One ounce for 100 feet; two pounds to the acre.

**Culture**—For early use sow as soon as the ground opens in spring, drills from 12 to 15 inches apart; thin out to six or eight inches in the rows. For a succession, continue to sow every two weeks until June; for Fall and Winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the top to carry off the water. Put away in this manner they will be found in good condition in the Spring.

**Purple Top Yellow Aberdeen**—Medium size, round, pale-yellow, tender and sugary. Is hardy and productive and keeps well. closely approaches Ruta Baga in hardiness and firmness of texture. This is an old esteemed variety for stock. **Pkt., 5c.; 10c.; oz., 15c.; 1/4 lb., 35c.; 1 lb., \$1.25.**

**Improved Purple Top Ruta Baga, or Swede**—The leading variety of Ruta Baga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, tender, sweet, fine grained and of good flavor. Ruta Bagas should be sown about one month earlier than other turnips. **Pkt., 5c.; 10c.; oz., 20c.; 1/4 lb., 60c.; 1 lb., \$2.00.**



**Red, or Purple Top White Globe**

A variety of decided merit, and the most popular in our markets. Globular shape, very handsome and of superior quality. Is a heavy producer, early, and of rapid growth, and an excellent keeper. Besides being a first-class table turnip, it is also very good for stock. **Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 60c.; 1 lb., \$2.00.**

**Extra Early Purple Top Strap Leaved**—The earliest in cultivation and a splendid turnip. Is very flat, medium size, smooth, with bright-purple top. Leaves are few and short and grow compactly, making very small top. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 40c.; 1 lb., \$1.50.**

**White Egg**—A quick-growing, egg-shaped variety. Very smooth, pure white, grow half out of ground. Has a small top and rough leaves. Flesh is of excellent quality. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 40c.; 1 lb., \$1.50.**

**Yellow, or Amber Globe**—Excellent for table use or stock. Fine quality, keeps well. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 40c.; 1 lb., \$1.50.**

**Pomeranze White Globe**—Free growing and rough-leaved. Pure white. Useful for table and stock. Large and productive. **Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 35c.; 1 lb., \$1.25.**

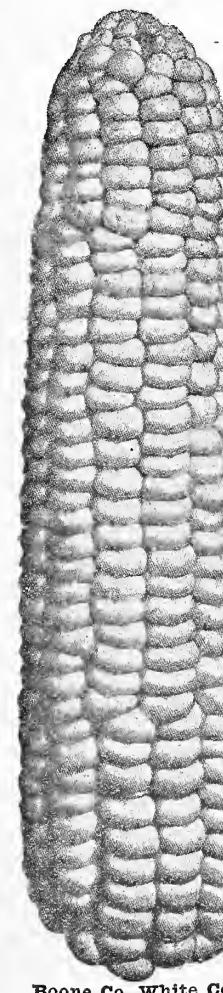
**Cow Horn**—A long, white, carrot-shaped turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Has lately been brought to prominence for green manuring in connection with rape. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 50c.; 1 lb., \$1.50.**

**Seven Top**—Grown exclusively for its tops, and when properly prepared and cooked make a fine dish. Withstands our Winter without any protection. **Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 35c.; 1 lb., \$1.25.**

**Tennoji Turnip**—A Japanese variety of exceptional merit. Flat, snow white and of immense size, but very fine flavor. Seed very scarce. **Pkt., 10c.; oz., 25c.**

## FIELD CORN

Prices Subject to Change Without Notice.



**Collier's Success**—The ears are of immense size, 12 to 14 inches long, 8 to 10 inches in circumference, carrying 20 to 24 uniform rows of large yellow kernels, well developed over tip and butt. It is a luxuriant grower, about 12 to 15 feet high. Matures in 100 days. Makes a splendid ensilage corn, making two ears on many stalks. **1/4 pk., 40c.; pk., \$1.25; bu., \$4.00.**

**Yellow Leaming**—We have a very choice strain of this early, drought-resisting variety. It makes a fair-size ear, with deep, well-shaped grains, and will mature in 90 days. **1/4 pk., 40c.; pk., \$1.25; bu., \$4.00.**

**Golden Beauty**—Large, broad-grained, yellow corn. Ears are well filled out. A heavy yielder. **1/4 pk., 40c.; pk., \$1.25; bu., \$4.00.**

**Maryland Yellow Dent**—Large ear; moderate size stalk; withstands drought well. **1/4 pk., 40c.; pk., \$1.25; bu., \$4.00.**

**Hickory King**—A very broad-grained white corn that does well on light ground. A good corn for the South. Very small cob. Generally bears two ears to the stalk and occasionally three. **1/4 pk., 40c.; pk., \$1.25; bu., \$4.00.**

**Boone County White**—Recommended by the Agricultural Experimental Stations. A fine, large, deep-grained variety, originated by one of the best corn breeders. **1/4 pk., 40c.; pk., \$1.25; bu., \$4.00.**

**Collier's Excelsior**—White corn, especially adapted for hominy corn on account of its flintiness. Great producer on poor soil. **1/4 pk., 40c.; pk., \$1.25; bu., \$4.00.**

**Red Cob Ensilage Corn**—**1/4 pk., 40c.; pk., \$1.25; bu., \$4.00.**

**Virginia Horse-Tooth Ensilage Corn**—**1/4 pk., 40c.; pk., \$1.25; bu., \$4.00. Eight quarts to the acre.**

## M. &amp; S. ROLAND PARK LAWN GRASS SEEDS

One of the most essential parts of the country place and suburban home is a carefully made and well-kept lawn. No trouble should be spared in its making, as much of the future results depends upon the start or foundation of the lawn, which, if correctly made, can easily be kept years, and give pleasure in perfect condition for not only to the owner, but to others who see it. In seeding for lawn-making, care should be taken that a well-balanced mixture of grasses is used, one composed of such varieties as will blend together well and also ripen successively, thus securing a healthy and beautiful color throughout the Summer. This special mixture produces beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing turf which retains its rich green color and velvety appearance throughout the entire Summer and Fall. In making up this brand we are careful to use seed that has been thoroughly cleaned, the light seed and chaff having been blown out.  $\frac{1}{4}$  lb., 15c.;  $\frac{1}{2}$  lb., 25c.; 1 lb., 40c.; 5 lbs., \$1.50; bu. of 20 lbs., \$5.50.

**M. & S. Shady Nook Grass**—It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places; for sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade. It has been successfully used on some large operations where a green sward was desired on land partly shaded by old trees.  $\frac{1}{4}$  lb., 15c.;  $\frac{1}{2}$  lb., 25c.; 1 lb., 40c.; 5 lbs., \$1.50; bu. of 20 lbs., \$5.50.

**M. & S. Pleasure Grounds Mixture**—For fair greens, golf links, athletic grounds, etc. The turf required for pleasure grounds must be of a character to withstand rough usage. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. For tennis courts, cricket tables, golf links, polo grounds, or wherever a good sward is wanted, this seed will give perfect satisfaction. We believe that the golf links should be as fine as a velvety lawn, hence the need of a fine mixture. 1 lb., 30c.; 5 lbs., \$1.40; bu. of 20 lbs., \$5.00.

**M. & S. Terrace Mixture**—For embankments and terraces. 1 lb., 30c.; 5 lbs., \$1.40; bu. of 20 lbs., \$5.00.

**M. & S. Special Grass Mixture for Hay and Pasture**—M. & S. Pasture Mixture is prepared to meet the average need. It is made up of the grasses best calculated to afford an abundant and nutritious food supply for stocks. Its formula is based upon successful experience. For all ordinary permanent pasture it will be found entirely satisfactory. 1 lb., 30c.; 20 lbs., \$4.50.

## LANDSCAPE GARDENING —A New Innovation

We are constantly in touch with leading Landscape Gardeners and are best prepared to lay off your gardens to be a show place in your community.

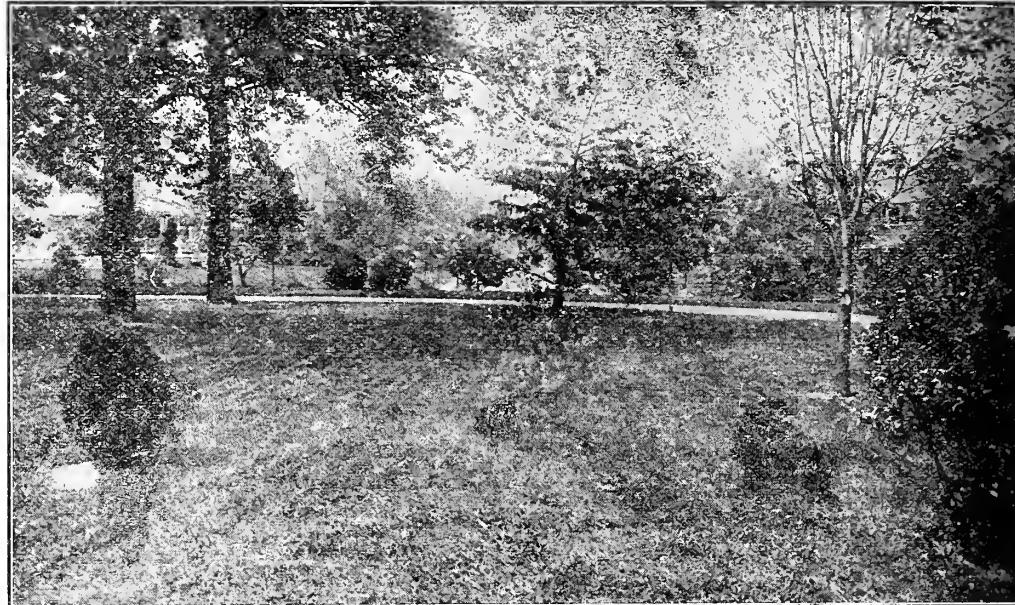
Mr. A. T. Chalk, formerly superintendent of "Homewood," the Athletic Field of the Johns Hopkins University, states that the grass seed purchased of us gave quicker and better results than any other he has ever sown.

W. M. Bandel, manager, "Wildwood," Mt. Washington, Md., says: "I have been buying grass seed from you for years, but I never saw it come up like this past season, every grain must have germinated. I shall want a great deal this coming season."

## TOBACCO SEED

Connecticut and Pennsylvania Seed Leaf—Pkt., 5c. and 10c.; oz., 25c.

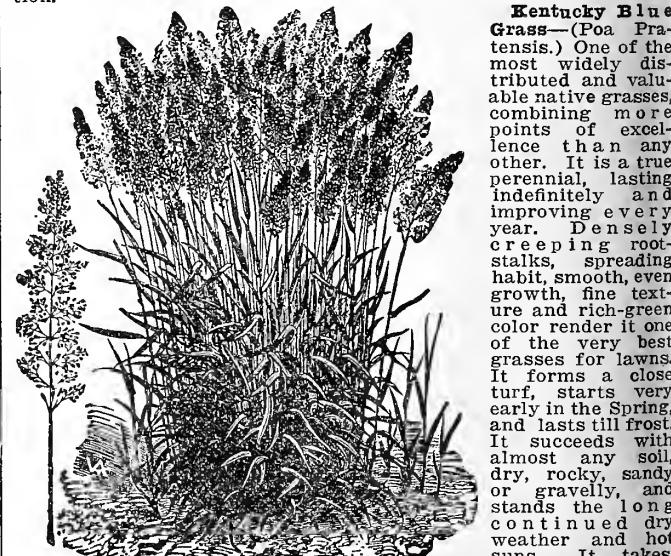
Havana Seed Leaf—Pkt., 5c. and 10c.; oz., 35c.



## GRASS SEEDS

Prices and samples on application. Prices subject to market fluctuation.

We desire to call special attention to the following list of Agricultural Grasses, which will, we think, be found very comprehensive, both as to varieties and descriptions. We are devoting a great deal of time to this more important subject and this department has already become an extensive one with us. Having learned by experience that the so-called imported grasses which are offered by those making a specialty of them in this country are very far from reliable, both as regards purity and quality, we have found it necessary to import all our seeds of this character direct. We have accordingly made arrangements for our stocks with one of the most prominent growers of Agricultural Grasses on the Continent, who, by virtue of many years' experience in growing seeds of this peculiar character, has become the recognized headquarters for same. This will enable us to furnish our customers with the very best, and that which we know to be free from all adulteration.



Kentucky Blue Grass

**Kentucky Blue Grass**—(*Poa pratensis*.) One of the most widely distributed and valuable native grasses, combining more points of excellence than any other. It is a true perennial, lasting indefinitely and improving every year. Densely creeping root-stalks, spreading habit, smooth, even growth, fine texture and rich-green color render it one of the very best grasses for lawns. It forms a close turf, starts very early in the Spring, and lasts till frost. It succeeds with almost any soil, dry, rocky, sandy or gravelly, and stands the long continued dry weather and hot suns. It takes, however, two or three years to become well estab-

I raised the largest yellow corn ever grown around the Rappahannock River from Collier's Success Corn, for which I paid you \$2.50 per bushel. Some ears measured 15½ inches after husking and a great many stalks had two ears on more than one-half of them.

Yours truly,

J. C. KREETE, Dumsville, Va.

shed, and should, therefore, be sown only in connection with other grasses. If the soil is especially suitable it will eventually crowd these out, and make the finest possible sward. It is one of our most valuable pasture grasses, very productive and nutritious. **Lb., 35c., bu. of 14 lbs., \$4.00.**

**Rhode Island Bent**—The distinctive feature of this species is its compact, creeping, rooting stems. It is of rapid growth and spreading habit, and the stoloniferous roots form a strong, enduring turf that is positively improved by constant trampling. Being of fine texture, it is most valuable for lawns and putting greens.

**Crested Dog's Tail (Cynosurus cristatus)**—A stoloniferous perennial, forming a smooth, compact and lasting turf. It thrives best on rich, moist land, but it can accommodate itself to almost any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting greens. It thrives well in the shade. The color is the same as that of the Kentucky Blue Grass, and it is, therefore, excellent in mixture with that sort. **Lb., 35c.**

**Fancy Red Top; Herd's Grass (Agrostis vulgaris)**—A very sturdy, native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to dry situations, and stands our hot climate admirably. It is, perhaps, the most permanent grass we have, and it enters largely into the composition of our best natural pastures. It remains green for the greater part of the year, and its long, trailing stems form a very close, matting turf that is not affected by trampling. **Lb., 25c.**

**Meadow Fescue (Festuca pratensis)**—This makes a most excellent hay and pasture grass, and is practically valuable for all and Winter pasture, as it remains green throughout the winter. It is also splendid Spring and Summer grass, and usually makes more and thicker leafage than any other grass we have ever grown. It is very popular in Southwest Virginia, East Tennessee and the mountainous districts of North Carolina, where it is very highly appreciated as a large-yielding, nutritious storage and hay grass. **Lb., 30c.**

**Orchard Grass; Cocksfoot (Dactylis glomerata)**—One of the grasses most employed in permanent meadows, either for pasture or for mowing. It is very hardy and succeeds well anywhere in the United States. It is very productive and makes excellent hay. If cut before it flowers it is less hard and the stem is soft and sweet. It blossoms about the same time as Red Clover, and is therefore desirable in mixture with that plant. Stock of all kinds are very fond of it, either dry green, and it endures constant cropping better than any other grass. After being mown, it grows up quickly and yields heavier aftermath than any other variety. It can stand considerable shade, and is recommended as a pasture grass for orchards. Its tendency to grow in tufts is diminished if it is sown with other grasses, and is also by heavy rolling in the Spring. But it is quite unsuitable for lawns. **Lb., 30c.; bu., 14 lbs., \$3.75.**

**Pacey's Perennial Rye Grass (Lolium perenne)**—Although a perennial, it seldom lasts more than three or four years. It is the most valuable grass of Great Britain, both for pasture and for meadows, occupying there the same relative position of importance that Timothy holds here. The cool, moist climate of England seems to suit it best, yet it succeeds very well in our Middle and Eastern States, and adapts itself to a great diversity of soils. The seed is large and heavy, and produces a strong, verdant growth in four or five weeks after sowing. It cures into hay, having a sweet flavor, and much relished by cattle and horses. Its nutritive value, especially in mixture with Red Clover, is very great. It is excellent in mixtures for lawns or golf links. **Lb., 25c.**

**Timothy (Phleum pratense)**—A native of Europe, but long ago naturalized in America, where it ranks as by far the most important hay grasses. On moist, loamy or clayey soil it produces a larger hay crop than any other grass. It is not so well suited for light sandy soils. Though preferring a moist, temperate climate, it withstands drought and extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, if left later the hay becomes hard and coarse. It is often sown along with Red Clover, and the nutritive value of the hay is greatly increased by this mixture. Eight, two to three feet. If sown alone, at least one-half bushel to the acre should be used. The seed weighs 45 pounds to the bushel. Several grades are always on the market, differing in purity and vitality. It is always most economical to buy the highest grade known as "Fancy." **20c. per lb.**

**Nod Meadow Grass (Poa nemoralis)**—The chief characteristic of this grass is its special fitness for shaded positions in lawns and woodland parks, where other grasses will not grow. It is very permanent and hardy, resisting extremes of heat and cold, and is one of the first grasses to show a rich green growth in the Spring. The creeping roots are formed under ground, and make a good turf and should be included in all putting-green mixtures. It is excellent for pasture.



Timothy

## CLOVER SEEDS

Write for samples and prices in larger quantities.

**White Clover (Trifolium repens)**—Some White Clover is usually included in lawn-grass mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, one or two pounds; if alone eight or ten pounds to the acre. **1/4 lb., 20c.; 1/2 lb., 40c.; 1 lb., 75c.**

**Alfalfa, or Lucerne (Medicago sativa)**—Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about the same time as oats are sown) in this section in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, one to three feet. **Lb., 35c.**

**Alsike, or Hybrid Clover (Trifolium hybridum)**—A perennial, one to three feet high, succeeding best in cold and stiff soils, and in marshy lands which are too wet for other species. It grows well in the far North and in high altitudes, and can withstand severe cold. A good honey plant for bees. Fifteen to the acre. **Lb., 50c.**

**Red Clover (Trifolium pratense)**—One of the most valuable farm crops of the Eastern States for pasture, hay, or for turning under for green manure. It requires a deep, rich soil and yields two hay crops in the season. In this section, sow in the Spring at the rate of 15 pounds to the acre. **Lb., 55c.**

**Mammoth Red, or Sapling Clover**—Grows larger and lasts longer than the common red clover; valuable for plowing under. Ten pounds to the acre. **Lb., 55c.**

**Crimson, or German Clover (Trifolium incarnatum)**—Erect annual, one to two feet high, with bright-scarlet flowers. A native of Southern Europe, it is largely grown in the South for improving the soil by turning under. It will not stand severe frost, and cannot be depended upon to stand the winter north of New Jersey. It is a valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. **Lb., 30c.**

Red Clover

Prices subject to market fluctuation.

## SUDAN GRASS

A NEW FORAGE CROP OF IMMENSE VALUE TO THE FARMERS OF THE UNITED STATES.

### Sudan Grass and Its Value.

Hoard's Dairyman says that possibly no other crop ever introduced into the United States became so generally popular in so short a time as Sudan Grass. It has been in this country only a little more than five years, and if it has ever made an enemy he is keeping his feelings to himself. Its friends are many, not only in Texas, where the great bulk of the crop is to be found, but in practically every other State in the Union, and when fed to various kinds of live stock it is relished by all. The enthusiasm of those who have seen it spreads like wildfire, and if there be a farmer who is not a booster for Sudan Grass it is simply because he has not seen the crop grown or has not been able to secure the seed.

It gives a highly profitable yield of palatable, nutritious hay. It is adapted to practically every soil type and climate condition to be found in the United States south of the northern tier of States. It is especially appreciated in the Middle and Southern States because it is an annual grass crop which may be rotated with corn, cotton or other crops in a manner such as clover.

It is appreciated because of its wonderful drought resistance and consequently heavy yielding qualities under semi-arid conditions. It is appreciated in many parts where types of soil and other conditions are not suitable for timothy and clover crops. It is also destined to be grown in timothy growing sections, for the reason that it is a more prolific yielder and furnishes more hay at a different season. In the Western States under irrigation it is outyielding alfalfa.

The yield of seed varies from 200 to 1,250 pounds to the acre. It is regarded as the most valuable hay grass ever grown in this country; it is extremely bushy and attains a height of from 5 to 8 feet and furnishes an endless amount of magnificent and highly nutritious hay, and a yield of from 5 to 9 tons per acre is not unusual. We recommend it for trial and give it our unqualified endorsement.

SUDAN GRASS—Continued.

**SUDAN GRASS**—Continued on next page.

Another point which speaks well for Sudan Grass, is that the hay is relished by live stock even when grown for seed and the seed threshed off. Work horses, mules, milk cows and dry cattle eat it readily. Sudan grass is very tender and palatable, and has a sweetish taste and pleasant odor which cause it to be relished by all kinds of farm stock, and very especially dairy cows.

**Dairymen** are proud of Sudan Grass because they feel that it means more for the dairy business in the United States than has been done in behalf of the industry for many years, and we certainly commend this crop to every milk producer in the United States, south of the northern tier of States.

**Seeding**—Sudan Grass should not be planted until the soil has become warm in the Spring. It can be sown any time during the Summer as a catch crop as long as 40 to 80 days intervene before frost. It can be sown in rows 18 or 42 inches apart and cultivated like corn, or it can be drilled with a grain drill or sown broadcast by hand. If sown broadcast use from 10 to 15 pounds of seed per acre; this gives an excellent stand because of its wonderful stooling habit, the seed producing from 20 to 200 culms of stems and it has a record of 500 culms from a single seed. It is a crop therefore that adjusts itself to the land automatically. Northern grown seed is best.

**Harvesting**—It can be cut by a mower and cures readily the same as millet or any other hay crop. Cut just after full bloom. After cutting it renews itself promptly. In about 40 days another cutting is ready. In 1912 four cuttings were secured in Texas. Ordinarily two or three cuttings may be had in the Central United States.

**Price of Sudan Grass.** Lb., 40c.; 10 lbs., \$3.50.

**FORAGE AND MISCELLANEOUS SEEDS**

Write for samples and prices in larger quantities. Market prices fluctuate.



German, or Golden Millet

**Golden Millet (Panicum Miliaceum var.)**—An improved variety, medium early, growing 3 to 5 feet high. Heads are closely condensed, though the spikes are very numerous. During the past few years the fact has been established beyond doubt that seed of the German, or Golden Millet, grown in Southern latitudes, will produce a much larger yield of hay than from seed grown in northern or western sections of the country, and for that reason is far better for farmers to sow. Lb., 10c.

**Hungarian Grass, or Millet (Panicum Germanicum)**—A species of millet growing less rank with smaller stalks and often yielding two or three tons of hay per acre. It is very popular and valuable. Like the common millet, it is an annual, and requires to be sown every season, but will produce a larger return than almost any other crop.

**Barley, Oats, Rye, Wheat**—Market prices.

**Broom Corn (Sorghum vulgare)**—Succeeded in a good, deep soil, fresh but not damp very sensitive to cold. Long-brush Evergreen. Lb., 20c.

**Soja Bean (Glycine hispida)**—Thrives well in hot and dry weather. Valuable for the South. Does not make good hay, but is good for ensilage or green fodder. Market prices.

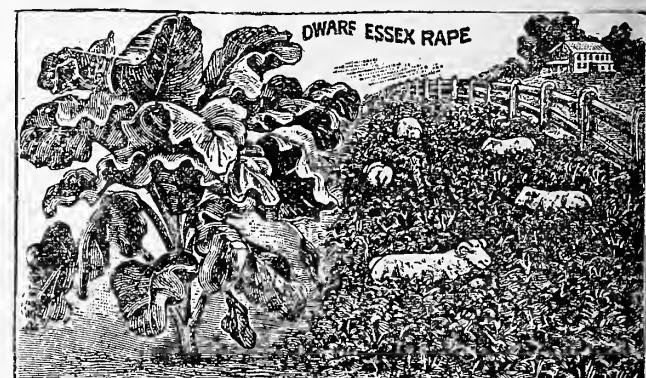
**Cotton (Gossypium) Upland Big Boil**—Very prolific. Market prices.

**Cow Peas (Vigna Catjang)**—Specially adapted to warm countries; extensively grown in our Southern States; also valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm.

**Black, Black-Eyed, Clay, New Era, Whip-poor-will**—Market prices.

**Peas (Canadian Field)**—Valuable for northern climates, for cattle-feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the Spring and harrowed in. If sown with oats, about 1½ bushels to the acre; in drills, two to three bushels to the acre. Market prices.

**Japanese Buckwheat**—In the locality of Baltimore this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. This variety produces brown seed, is very prolific, maturing fully a week earlier than "Silver Hull" variety. It makes a very fine quality of flour, but is chiefly used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flour makes ideal bee food; while the straw is very abundant. Our seed is grown by a specialist in New York State, who procures his seed stock every few years from Japan. Any of the clover crops can be sown with buckwheat; these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre. 15c. per qt.; pk., \$1.00.



**Rape—Dwarf Essex English (Brassica napus)**—Largey grown in the Northern United States and in Canada. It is excellent for sheep and hog pasture, and chicken yards, also for soil. It may be sown in May, and will be ready for pasturing in June and August. Or it may be sown in June or July, and yet furnished a large amount of pasture or fodder. In drills, sow five pounds to the acre; sown broadcast, ten pounds to the acre. Lb., 25c.

**Kafir Corn**—Non-saccharine. The plant is low, stalky, perfectly erect. The whole stalk, as well as the blades, cures in excellent fodder, and in all stages it is available for green feed. The seed making excellent chicken and pigeon food. Lb., 10c.

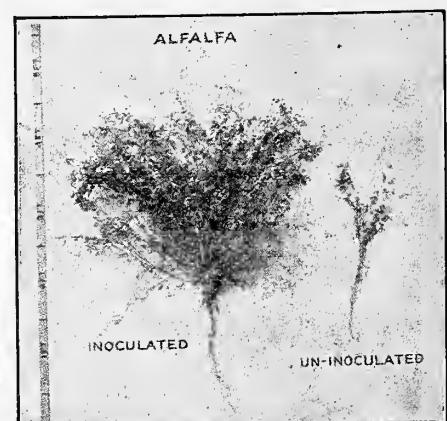
**SORGHUM, OR SUGAR CANE.**

**Early Amber**—Ripens whenever Yellow Corn matures. Grows 10 to 13 feet high. Fine for cows, either green or cured. Lb., 10c.

**Early Orange**—Ripens about 10 days after Early Amber, and is said to produce a larger crop. Lb., 10c.

**Sunflower—Large Russian**—Lb., 15c.

**Sand, Winter, or Hairy Vetch—(Vicia villosa)**—Thrives on poor, arid, sandy soils. It may be sown either in Fall or Spring, mixed with rye, for a support. Grows three to four feet high, and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow 50 pounds to the acre. Price variable. Lb., 25c.



**M. & S. GUARANTEED LEGUME INOCULATOR, NITRATEGEN GATHERING BACTERIA.**

**"Alfalfa"**—The greatest forage crop known is now grown with great success in all sections. This wonderful crop can be grown wherever the soil has good drainage—seedbed well prepared and seed inoculated. The Agricultural Experi-

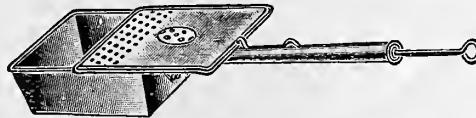
Stations have demonstrated that the reason for failure to grow Alfalfa is because of the absence of the proper bacteria in the soil, and by the use of Legume inoculation upon the seeds this condition has been overcome, and Alfalfa is a decided success. **M. & S. Inoculator** will provide all inoculations for Alfalfa or any other legumes. It comes in bottles ready for use. You can inoculate the seed for ten acres in ten minutes.

Clovers, Soy Beans, Cow Peas, Garden Peas and Beans are legumes, and are greatly benefited by the proper inoculation. This inoculation not only increases the crop in weight, but also in richness, and deposits in the ground upon the legume roots great quantities of nitrates.

Garden Peas, Beans and Sweet Peas yield earlier and longer when inoculated. Order **M. & S. Inoculator** for all these seeds.

**M. & S. GUARANTEED LEGUME INOCULATOR** insures a batch, increases the yield, enriches the soil and insures success with Legumes. Prices: Garden size, 40c.; one-acre size, 75c.; two-acre size, \$1.25; four-acre size, \$2.25; six-acre size, \$3.00. Postpaid on receipt of price.

## SHEET-IRON CORN POPPER



Patent "Delephos" tinned wire rod operating cover device, running through sheet metal handle, opens and closes cover, preventing finger burns. Improved sunken butter drainer. Size of can, 7x9x3½ inches; length of handle, 16 inches. Perforated over for shaking out unpopped grains. **Price, 50c.** Parcel Post weight, 2 pounds.

## FLOWER SEED ANNUALS, AND HOW TO GROW THEM

Annual plants are those that you must sow each year. The said perennials I want for the main and permanent effects in my garden, but I could no more do without annuals than could do without the spices and the condiments at the table. Of the kinds of annuals there is almost no end. This does not mean that all are equally good. For myself I like to make bold effects with a few of the old profuse and reliable kinds, like whole masses and clouds of them. Then the other kinds like to grow in smaller areas at one side, in a half experimental way. There is no need of trying to grow equal quantities of all.

For the main and bold effects I want something that I can depend on. There I do not want to experiment. Never fill a conspicuous place with a kind of plant you have never grown.

The kinds I like best are the ones easiest to grow. Zinnia, Petunia, Marigold, Four o'Clock, Sunflower, Phlox, Scabiosa, Sweet Sultan, Bachelor's Button, Verbena, Calendula, Caliopsis, Morning Glory, Nasturtium, Sweet Peas—these are some of the kinds that are surest. I do not know where the investment of five cents will bring as great reward as in a packet of seeds of any of these plants.

Make the soil rich and fine and soft and deep, just as you would for radishes or onions. There are some plants for which the soil can be made too rich, of course, but most persons do not err in this direction. The finer and more broken down the nature the better. Spade it in. Mix it thoroughly with the soil. If the soil is clay-like, see that fine manure is thoroughly mixed with the surface layer to prevent "baking."

First and last, I have grown practically every annual offered in the American trade. It is surprising how few of the uncommon or little-known sorts really have great merit for general purposes. There is nothing yet to take the place of the old-time groups, such as Amaranths, Zinnias, Calendulas, Daturas, Balsams, Annual Pinks, Candytufts, Bachelor's Buttons, Wallflower, Larkspurs, Petunias, Gaillardias, Snapdragons, Stockscoms, Lobelias, Coreopsis or Caliopsis, California Poppies, Four o'Clocks, Sweet Sultans, Phloxes, Mignonettes, Scabiosas, Nasturtiums, Marigolds, China Aster, Salpiglossis, Nicotianas, Pansies, Portulacas, Castor Beans, Poppies, Sunflowers, Verbenas, Stocks, Alyssums, and such good old running plants as Scarlet Runners, Sweet Peas, Convolvuluses, Ipomeas, Nasturtiums, Balloon Vines, Cabaceas, etc.

For bold mass-displays of color in the rear parts of the grounds or along the borders, some of the coarse species are desirable. My own favorites for such use are: Sunflower and Castor Bean for the back rows; Zinnias for bright effects in the scarlets and lilacs; African Marigolds for brilliant yellows; Nicotianas for whites; Larkspurs for blues.

For lower-growing and less gross mass-displays, the following are good: California Poppies for oranges and yellows; Sweet Sultans for purples, whites and pale yellows; Petunias for purples, violets and whites; Bachelor's Buttons (or Cornflowers) for blues; Caliopsis and Coreopsis and Calendulas for yellows; Gaillardias for red-yellows; China Aster for many colors.

For still less robustness good mass-displays can be made with the following: Alyssums and Candytufts for whites; Phloxes for whites and various pinks and reds; Lobellas and Browallias for blues; Pinks for whites and various shades of pink; Stocks for whites and reds; Wallflowers for brown-yellows; Verbenas for many colors.



## POP CORN

There is hardly a home in the country during winter where popping of corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping.

**White Rice—Lb. 25c.**

**Corn Poppers, 25c. and 50c. each. (Parcel Post weight, 2 pounds).**

## FREE! NOTICE! FREE!

With every Garden or Flower Seed order amounting to \$5.00 or over we will send one copy of the M. & S. National Cook Book. Every American housewife ought to have one of these, so she can look up how to prepare her meals on the meatless and wheatless days advocated by the government. Also tells all about canning and preserving. Classified and indexed for convenient use. **Alphabetically arranged.**

Kensington Road, Ten Hills, Md.

Gentlemen: "Last Spring I bought a packet of your Triumph of the Giant Pansies, and never in my long experience of growing Pansies have I had such beautiful flowers and a grand variety of colors."

W. R. BOWERS, Arlington, Md.

## OAKLAND VIEW POULTRY FARM, OAKLAND, MD., 3/23/18.

Gentlemen: "It gives me great pleasure to inclose check for \$2.50 balance due you, for one reason, if for no other—and that is, for your accommodation in sending hovey without waiting for the remittance, as I have the hovey at home, it having arrived yesterday. It gives me great pleasure to deal with gentlemen like you who are so very prompt and accommodating."

Yours truly, CHAS. J. NEWMAN, Manager.

## DEPARTMENT

If flowers of any annual are wanted extra early, the seeds should be started indoors.

A number of the very late-flowering annuals should also be started indoors for best success in the Northern States, as, for example, the Moonflowers and the tall-growing kinds of Cosmos.

Of late years there has been a strong movement to introduce the hardy perennials into general cultivation. This is certainly to be encouraged everywhere, since it adds a feeling of permanency and purposefulness that is needed in American gardens. Yet I should be sorry if this movement were to obscure the importance of the annuals.—By Prof. L. H. Bailey.

## RAISING HARDY PERENNIALS FROM SEED

Hardy perennials are easily grown from seed. In many cases they are a little slower than annuals, but with intelligent care they are successfully raised, and from seed is an excellent way to get up a big stock of perennials in a short time. Many perennials, if sown in spring, bloom the first year from seed as freely as annuals. Others wait a year; that is, if sown this year they don't bloom until the next year.

The seeds may be sown in Spring or in Summer. In Spring the sowings may be made in the window, the hot-bed, the cold frame, the greenhouse or in the open ground out of doors. In the window prepare pots or flower-pans or small, shallow, wooden boxes or flats; fill to one-third their depth with fine broken cinders or broken pots, and over this place a thin layer of moss, chopped straw or rough siftings from the soil to keep the dirt from clogging the drainage; then fill up to within one-half or three-quarter inches of the brim with fine, free, mellow soil, with thin layer of very fine soil over it. Tamp the pot on table to firm the soil a little. Now sow the seed evenly, and shake a very little fine soil over it; press it all over with the back of the hand or a board, then water gently through a fine spray or rose; this done strew a little fine earth over all. In the case of very fine seeds covering only enough to hide the seed is plenty, but Pinks, Gaillardias and other rougher seeded sorts one-eighth inch deep of covering may be given. Keep the seed pots in a warm, sunny window, but shaded with a thin curtain from drying sunshine. A sheet of paper laid over the pot at this time prevents over-drying, but when the sunshine passes, take off the paper, else damp or mould will set in. A pane of glass laid over the pots or flats until germination appears is an excellent preservative of the moisture in the soil, but always tilt it up at one side one-eighth of an inch or more. When the seedlings come up, give them more light by keeping them close to the glass and before they overcrowd one another or become spindly, transplant them into other pots or flats, three-quarters or one inch apart from one another, according to their size and strength. As the weather gets mild, by placing the seedlings in a cool and airier place, as on the porch or a sheltered place out of doors, they become fairly used to the open weather, and when they are large enough for final transplanting set them out in the garden.

The amateur may have more success and less bother growing hardy perennials from seeds sown in the open ground than in any other way. Prepare a bed in a nice, warm, sheltered spot in the garden, preferably not very sunny; let the surface of the bed be raised four or five inches above the general level, and the soil be a mellow, free, fine earth on the surface. Draw shallow rows across the surface of the bed, three to four inches

apart, and here sow the seed, keeping the varieties of one kind or nature as much together as practicable; cover the seeds thinly, press the whole surface gently, water moderately, then dust a little fine loose soil over all. If the weather is sunny or windy, shade with papers or a few branches, but remove these in the evening. When the seedlings come up thin them out to stiffen those that are left, and when they are two or three inches high, they are fit for transplanting into permanent quarters. All this should be done in early Spring, say March, April or May, or in warmer localities a month earlier.

Again in July or August perennials are very easily raised out of doors, and much in the same way as above. Transplant these seedlings in late August or early September to get well-rooted stocky plants before Winter sets in.

## BEST BOOKS FOR GARDENER AND PROFESSIONAL

Those marked \* have been written for us by specialists and are highly recommended.

### ALL BOOKS DELIVERED PREPAID.

Bulbs and Tuberous Rooted Plants, by C. L. Allen.....	\$1.65
*Carnation Culture, Commercial, by J. Harrison Dick.....	1.50
Chrysanthemum, The, by A. Herrington.....	.60
Color Standards and Color Nomenclature, by Dr. Robert Ridgway.....	8.10
The Dahlia Manual, by W. W. Wilmore.....	.25
*Design Books, Floral Designs De Luxe, Fifth Edition.....	2.50
Diseases of Cultivated Plants and Trees, by George Messee.....	2.40
Economic Entomology, by John B. Smith, Sc. D.....	2.65
Farm and Garden Rule Book, by L. H. Bailey.....	2.25
*Fruits and Vegetables Under Glass, by William Turner.....	3.65
*Fruit Grower Home.....	1.00
*Flowers, Messages of.....	1.00

Fungous Diseases of Plants, by Benjamin Mine Duggar....	2.
Gardeners' and Florists Annual for 1917.....	2.
Goldfish and Its Culture, The, by Hugo Muler.....	2.
*Heather, in Love, Lyric and Lay, The, by Alexander Wallace.....	1.
Horticulture, Standard Cyclopedia of, by L. H. Bailey.....	36.
*House Plants, Milady's.....	1.
*Landscape Gardening, Practical, by Robert B. Cridland.....	1.
Lily, the Book of the, by W. Goldring.....	1.
Market Gardening, Success in, by W. W. Rawson.....	1.
Nursery Book, by L. H. Bailey.....	1.
Orcharding, Productive, by Fred C. Sears.....	1.
Orchids, by James O'Brien.....	1.
Peony Manual, The, by C. S. Harrison.....	1.
Phlox, A Manual on the, by C. S. Harrison.....	1.
*Plant Culture, by George W. Oliver.....	1.
*Plant Propagation, Commercial.....	1.
Principles of Floriculture, by Prof. E. A. White.....	1.
Propagation, Art of, by J. Jenkins.....	1.
Pruning Book, The, by L. H. Bailey.....	1.
*Rose Culture, Commercial, by Eber Holmes.....	1.
Roses, How to Grow.....	1.
*Sweet Peas for Profit, by J. Harrison Dick.....	1.
Trees of the Northern United States, by A. C. Apgar.....	1.
Vegetable Gardening, Productive, by John W. Lloyd.....	1.
*Violet Culture, Commercial, by Prof. B. T. Galloway.....	1.
*Water Gardening, The Book of, by Peter Bisset.....	2.

We can supply most any book desired on request.

Mr. H. W. Mohr, Rossville, Md., says: "I bought several varieties of Tomato Seeds from you last season and in my long experience at trucking, covering a period of thirty-five years, can truthfully say that I never harvested finer Tomatoes than the ones I had this year from your seed."

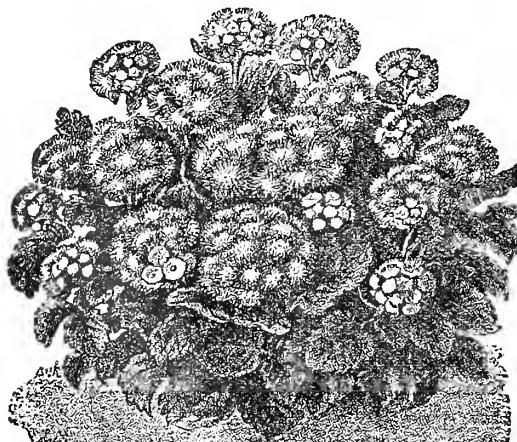
## SELECTED LIST OF M. & S. FLOWER SEEDS



### PLEASE ORDER BY NUMBER AND NAME.

All Flower Seeds are 5c. Package, unless otherwise noted.  
All Annuals are marked (a). All Perennials are marked (p).

Hints and information on how and what kind of annuals and perennials to grow will be found on page 21.



2. Ageratum

1. Adonis (a)—Attractive bright flowers—Crimson.
2. Ageratum (a)—For beds or borders. Dwarf, mixed.

3. Alyssum (a)—Carpet of Snow. Dwarf, pure white.  
4. Amaranthus (a) Caudatus—Love Lies Bleeding.  
5. Amaranthus (a) Tricolor, Joseph's Coat—Beautiful scarlet yellow and green foliage. Height, 2 to 3 feet.  
6. Antirrhinum. Snapdragon (p)—A splendid plant for borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors from February till May, but even if sown outdoors in May it will flower profusely in September. If properly protected during the winter it will revive and throw up giant spikes of flowers during the summer. The Snapdragon is treated as an annual and the seed sown every year. Height, 1 1/2 feet. White, Scarlet, Pink Striped, Yellow and all colors mixed.



6. Antirrhinum or Snapdragon

Asters (a)—do well, requiring a well-pulverized soil, always kept open by continuous cultivation. Soil is heavy and mostly composed of clay, it is well to mix sand with it.

7. Aster (Parthenium). Flowering chrysanthemum mix. 10c. pkt.; 3 for 25c.

8. Aster (Oriental Plumed) Very beautiful; mix. 10c. pkt.; 3 for 25c.  
9. Aster, Seaside's Branching

In five distinct colors. White, pink, dark red, light blue, dark blue and all colors mixed. 10c. pkt.; 3 for 25c.

**ALL PACKETS ARE 5c. UNLESS OTHERWISE SPECIFIED.**

10. **Aster, Queen of the Market**—Very early; white, pink, lavender, crimson, blue and choice mixed.

11. **Asters**—China, mixed, double, choice colors.

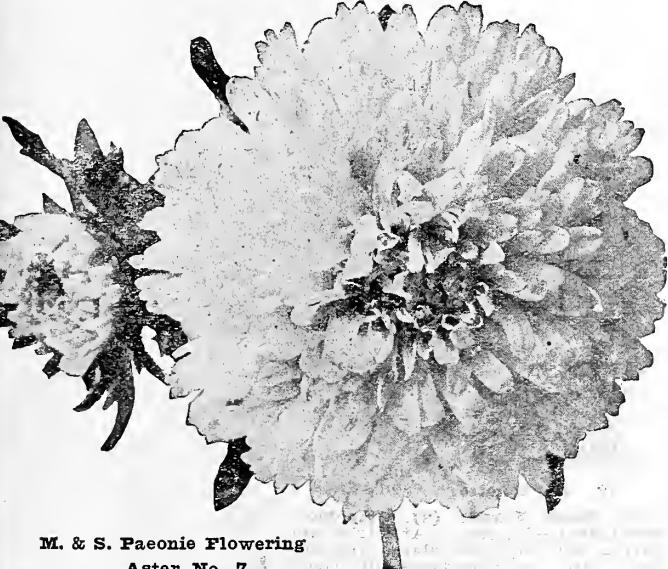
12. **Balsam (a). (Lady Slipper)**—Camellia flowered, very fine.

13. **Balloon Vine (a). (Love-in-a-Puff)**—Interesting climber.

14. **Balsam Apple (a)**—A climber with very useful fruit.

15. **Begonia (a)**—Invaluable for bedding and pot culture; about one foot high, beautiful foliage, pink, white and crimson mixed. 10c. pkt.

16. **Campanula Media (p). Canterbury Bell**—These are strictly biennials and require the following cultural directions: Sow from June 1st till September 1st; when strong enough transplant to a distance of six inches apart, after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them. Single blue, pink, white or mixed.



**M. & S. Paeonia Flowering**

**Aster No. 7**

17. **Calendula (a). (Pot Marigold)**—Free-flowering, mixed.

18. **Canna (a)**—One of the finest bedding plants.

19. **Cannabis Gigantea (a). (Giant Hemp)**—For backgrounds; 10 feet.

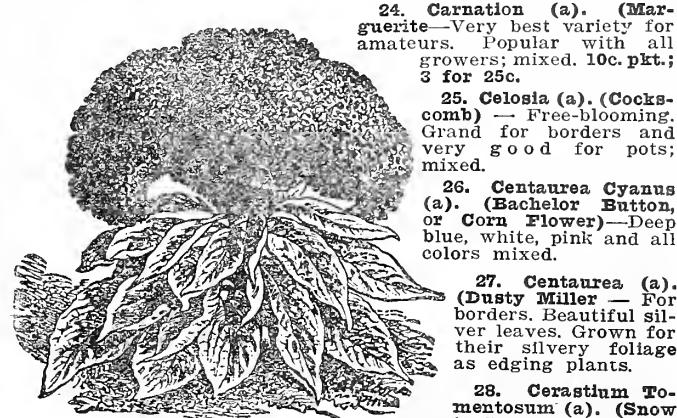
20. **Calliopsis, or Coreopsis (a). (Golden Wave)**—Showy, free-flowering, hardy annuals of easy cultivation. Yellow, brown and choice mixed.

21. **Canary Bird Flower Vine (a)**—One of the most charming annual climbers, bearing an abundance of bright yellow, fringed flowers.

22. **Candytuft (a)**—For beds and massing, mixed.

23. **The Cardinal Climber**—This glorious and absolutely distinct new Annual Climber we consider the most beautiful and brilliant annual climber ever sent out. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like, laciniate foliage and literally covered with a blaze of circular fiery cardinal-red flowers from midsummer till frost. The flowers are about 1 1/2 inches in diameter, and are borne in clusters of 5 to 7 blooms each, and wherever it has been grown during the past two seasons has attracted more attention and favorable comment than any other plant in the garden. Like other Ipomoeas, it delights in a warm, sunny situation and good soil. The seed may be started indoors in March or April, but it is best to wait until the weather gets warm and settled, and then sow out of doors. In either case it is well to file or cut through the hard outer shell of the seed or steep in warm water until they begin to swell, which greatly assists in a free and quick germination. If sown in cold, wet ground the seed is liable to rot. Pkt., 25c.; 5 pkts., \$1.00.

Mrs. R. A. McCormick, Timonium, Md., states that the Gladiolus she bought from us produced the finest flowers she ever saw. Also the Flower Seeds were very fine.



**25. Cockscomb**

24. **Carnation (a). (Marguerite)**—Very best variety for amateurs. Popular with all growers; mixed. 10c. pkt.; 3 for 25c.

25. **Celosia (a). (Cocks-comb)**—Free-blooming. Grand for borders and very good for pots; mixed.

26. **Centaurea Cyanus (a). (Bachelor Button, or Corn Flower)**—Deep blue, white, pink and all colors mixed.

27. **Centaurea (a). (Dusty Miller)**—For borders. Beautiful silver leaves. Grown for their silvery foliage as edging plants.

28. **Cerastium Tomentosum (a). (Snow in Summer)**—Dwarf, white-leaved edging plant; flowers white; 4 inches high.

29. **Chrysanthemum (a)**—Choicest mixed.

30. **Cineraria (p)**—For hothouse and window garden. Price, mixture, 60c. and \$1.00 pkts.

31. **Clarkia (a)**—One of the prettiest and showiest hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging baskets, for vases and as edging plants. Sow outdoors in early Spring and grow in partial shade. They bloom through midsummer to late autumn. Average height, 1 1/2 feet.

32. **Cleome (a)**—Curious; very ornamental, on Castor Oil Plant style. Sandy soil suits them best. Height, two feet.

33. **Cobaea Scandens (a)**—Cups and Saucers Vine. Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edge-wise, and merely cover with light soil.

34. **Columbine, or Aquilegia (p)**—A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in Spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the Fall for flowering the following season. They thrive well under ordinary garden culture. Few hardy perennials are so easily grown from seed, and will give such unalloyed satisfaction. Single or double mixed.

35. **Cosmos (a)**—An autumn flowering plant. A charming, profuse bloomer. Giant red, pink, white and all colors mixed. Pkt., 5c.; oz., 50c.

36. **Early Summer-flowering Cosmos**—Coming into flower in July, continuing until frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth; 4 feet. Flower beautiful and large; petals broad; all colors mixed; profuse bloomer. Pkt., 5c.; oz., 50c.

## A GRAND NOVELTY

37. **Double-crested Cosmos (a)**—We take great pride in offering this novelty to our customers. This is an entirely new class of cosmos, producing double-crested flowers of exceptional beauty. The grower does not claim that all plants have double flowers, but the fields show about 50 per cent; but the ones that do not show double are dreams of beauty. Pink and white. Seed scarce. Pkt., 25c.; 5 pkts., \$1.00.

38. **Coleus (a). Large Leaved Hybrids**—Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature. Pkt., 10c.; 3 for 25c.

39. **Cypress Vine (a)**—Popular vine, fern-like foliage and masses of beautiful small star-shaped flowers. White, scarlet and mixed.

**FLOWER SEEDS—Continued on next page.**

**ALL FLOWER SEEDS FIVE CENTS A PACKAGE UNLESS OTHERWISE NOTED.**

## FLOWER SEEDS—Continued.

40. **Dahlia** (a)—Bloom first year from seed if sown early. Double and single; mixed.

41. **Daisy, English Double** (p). (*Bellis Perennis*)—Seed should be sown from June 1st till September, transplanted in the Fall, and they will flower the following Spring. If sown in the Spring they will flower in the Autumn; 4 inches.

42. **Shasta Daisy**—Very large; white single flowers on long stems.

43. **Dianthus** (p). (*China Pink*)—One of the most popular flowers in cultivation; blooms profusely. Great variety of colors. Extra choice. Single mixed, crimson, rose and mixed fringed.

44. **Delphinium** (p). (*Hardy Perennial Larkspur*)—Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will branch and flower all through Fall. **Formosum**, Blue, white centre. **Chinese Album**, White. **Chinese Azureum**, Blue. **Kelway's Giant**. Mixed. **Pkt.**, 10c.; 3 for 25c.

45. **Dimorphotheca** (a). (*Golden Orange Daisy*)—One of the showiest garden plants of recent introduction; fairly compact, bushy plants are literally covered with brilliant orange-gold, daisy-like blooms, on fairly long stems during the entire season; excellent for cutting.

46. **Digitalis** (p). (*Foxglove*)—Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

47. **Dolichos** (a). **Hyacinth Bean, or Texas Climber**—Showy climber, making rapid growth. White and purple. **Pkt.**, 5c.; oz., 15c.

48. **Eschscholtzia** (a). (*California Poppy*)—Choice mixture.

49. **Euphorbia** (a)—White and green; height, 2 feet. Known as "Snow on the Mountain."



51. **Mixed Gourds**

50. **Forget-Me-Not** (p). (*Myosotis*)—An old favorite; bearing clusters of star-shaped blue flowers, succeeds best in moist shady situations. Seed sown early will bloom first season.

51. **Gourds** (a). (*Dishcloth or Luffa*)—**Nest Egg**, Hercules Club, Pear Shape, Mock Orange, Sugar Trough, Calabash, or Pipe Gourd—the original Thermos Bottle—and a general mixture; rapid climbers. Each, 5c. **Pkt.**

52. **Calardia** (p). (*Blanket Flower*)—Very fine mixture.

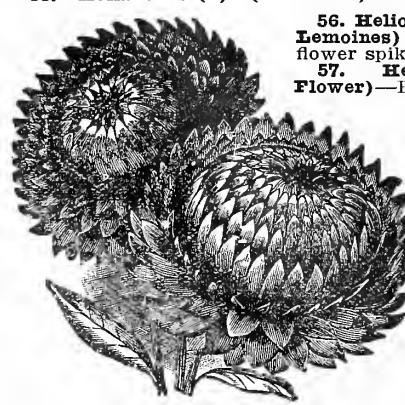
53. **Gypsofila** (a). (*Baby's Breath*)—Pretty free-flowering plants of easy culture; excellent for cutting to mix with Sweet Peas; 2 feet. **Elegans Alba Grandiflora**.

54. **Helianthus** (a). (*Sunflower*)—Oscar Wilde. Single, yellow.

55. **Helianthus** (a). (*Sunflower*)—Dwarf, double, 3 feet high.

56. **Heliotrope** (a). (*Giant Hybrids, Lemoines*)—Produces extra large flower spikes in abundance. **Pkt.**, 10c.

57. **Helichrysum** (a). (*Straw Flower*)—Popular, everlasting.



57. **Strawflower**

58. **Helopsis** (p) (*Pitcheriana*). (*Orange Sunflower*)—A handsome hardy perennial; producing an abundance of deep orange yellow flowers the entire Summer; excellent for cutting; 3 to 4 feet.

59. **Hibiscus** (p). (*Mallow*)—These bear very showy flowers, are easily grown and should find a place in every garden. Mixed colors, white, pink and red; height, 4 feet.

60. **Hollyhock** (p).—One of the most popu-

lar and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet. **Chater's Improved Double Hollyhock** in separate colors. Pink, white, salmon, maroon, yellow and all colors; mixed. Single and double.

61. **Humulus** (a). (*Japanese Hop*)—A rapid growing annual climber with luxuriant foliage.

62. **Hunnemannia** (a). (*Giant Yellow Tulip Poppy*)—Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of August, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height, 2 feet.

63. **Ice Plant** (a)—Beautiful dwarf edging plants; flower profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice.

64. **Kochia** (a). (*Summer Cypress, or Mexican Fire Bush*)—An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of Autumn the foliage turns to a deep red color; 2 to 3 feet.

65. **Kudzu Vine** (p). (*Pueraria Thunbergiana*)—The Kudzu vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome purple flowers. The vine is extremely rapid and dense in growth, perfectly hardy, increasing in size and beauty year after year; fine for arbors, verandas, etc. **Pkt.**, 10c.

66. **Lantana** (a)—Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all Summer.

67. **Larkspur** (a)—Double dwarf Rocket; finest mixture. **Larkspur (Hardy)**, see No. 44.

68. **Lobelia** (a)—Dwarf varieties for bedding. Mixed.

69. **Lupins** (a)—Very desirable garden plants, showy and excellent for cutting. Graceful spikes, 2 feet long, in various shades of white, blue, pink and yellow mixed.

70. **Marigold** (a)—Dwarf French and tall African; fine colors, mixed, double, 5c. each.

71. **Marvel of Peru** (a). (*Four O'Clock*)—Choice mixed.

72. **Mignonette** (a)—Valuable for cutting on account of its fragrance. Sow in succession during the whole Summer; may also be forced in greenhouses during Winter. **Golden Machtet** and **Parson's White**. **Pkt.**, 5c. each.

73. **Moon Flower** (a). (*Ipomoea Noctiflora*)—Climber. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers. **Pkt.**, 5c.; oz., 75c.

74. **Mimulus** (a). (*Tigrinus*)—Showy, profuse flowering plants; fine for greenhouses or moist, shady situations; 1 foot.

75. **Moschatus**. (*Musk Plant*)—Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches. Mammoth flowering.

76. **Morning Glory** (a)—One of the most popular annual climbers, rapid grower. **Pkt.**, 5c.; oz., 20c. All colors mixed.

77. **Double-Flowering Morning Glories**—These beautiful climbing annuals are of very rapid and luxuriant growth; the flowers will come double, semi-double and a few, perhaps, single. The colors vary; there are various shades of blue, white marbled with purple and lavender, crimson, pure white, etc. Mixed colors. **Pkt.**, 10c.; oz., 75c.

Gentlemen:—It may be gratifying for you to know that the *Hyacinths* purchased from you turned out magnificently.

H. H. SEABROOK.

ALL FLOWER SEED ARE FIVE CENTS A PACKAGE, UNLESS OTHERWISE NOTED (ORDER BY NAME AND NUMBER).

"I have bought flower seeds from you, which were planted in the grounds of the Aged Women and Aged Men's Home, an they did so well that I have to tell you about it. Yours truly,"

MRS. M. C. BAINBRIDGE, 1320 Bolton St., Baltimore, Md.



79. Morning Glory

and garnet; daintiest blue to purple; snow-white to silver-gray. Some are striped, blotched and spotted; others have magnificent edges and throats. Mixed colors. Pkt., 10c.; oz., 50c.

80. Nicotiana (a)—Splendid, pure white, Bouvardia-like flowers on long terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere.



82. Passion Flower Vine

82. *Passion Flower* (D). (Southern Beauty)—Climber mixed. Called "Passion Flower" on account of a resemblance in the flower to the appearance presented at Calvary.

83. *Portulaca* (a). (Mexican Rose)—Choice, single and double; mixed colors.

PANSIES (a).

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which Pansies can be planted. If started in the house from February till April Pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the Fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following Spring. Pansies thrive best in moist, semi-shady situations.

84. M. & S. Giant Exhibition Pansies—A blending of our own, containing only the very choicest the specialists in Europe

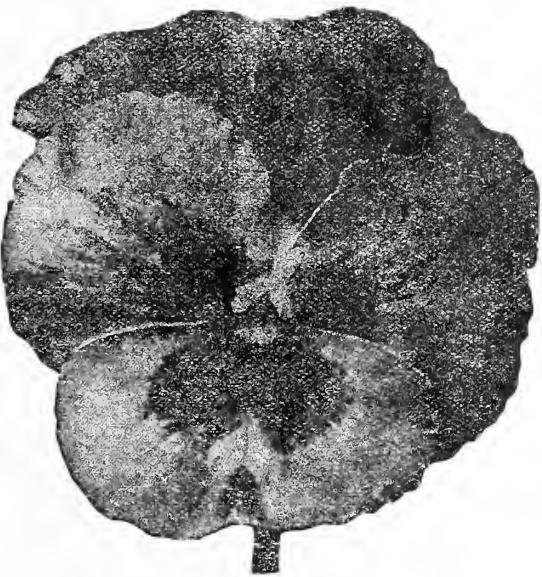


84. M. & S. Giant Exhibition Pansies

78. *Ruffled and Frilled*—The perfection of Morning Glories. Immense flowers, often as big as saucers, all wavy, ruffled and fluted from throat to margin, like crumpled velvet. They are simply magnificent. Mixed colors. Pkt., 10c.; oz., 50c.

79. *Giant Japanese Morning Glories*—The robust vines attain a height of from 30 to 50 feet. The foliage is luxuriant, distinct and varied, green, silvery and yellow leaves; many are mottled light and dark green, white and gray. But the surpassing charm of these "Giant Japanese Morning Glories" lies in the entrancing beauty and large size of the flowers; they measure from 3 to 4 inches across. The colors of the flowers, shadings and markings are limitless. Some flowers are of deep, rich, velvety colors, others daintily tinted and shaded. There are reds from soft rose to crimson and garnet; daintiest blue to purple; snow-white to silver-gray. Some are striped, blotched and spotted; others have magnificent edges and throats. Mixed colors. Pkt., 10c.; oz., 50c.

have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Pkt., 10c.; 3 for 25c.; \$2.50 per oz.



85. Triumph of the Giant Pansy

85. *Triumph of the Giant Pansy*—Immense flowers of great brilliancy and richness of coloring, including many new and rare shades. Pkt., 25c.; 5 pkts., \$1.00.

86. *Masterpiece (Frilled Pansy)*—Flowers beautifully curled or waved. Exquisite colors. Pkt., 25c.; 5 ukt., \$1.00.

M. & S. Giant Pansies—In separate colors.

87. *Lord Beaconsfield*—Purple, violet and white.

88. *Snow Queen*—Pure white.

89. *Emperor William*—Indigo blue black, blotched.

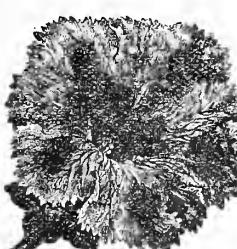
90. *Canary Bird*—Pure yellow.

91. *King of the Blacks*—Lustrous jet black.

92. *Lord Baltimore*—Yellow maroon blotches.

93. *May Queen*—White with violet blotches. All the above 10c. pkt.; 3 pkts., 25c.

94. *Very Fine Mixed Pansy*—Pkt., 5c.; oz., 75c.



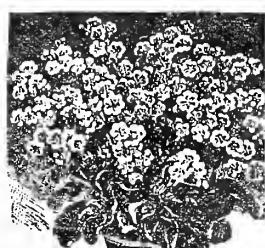
95. Petunia

95. *Petunia* (a)—The Petunia is without a peer among annuals for effective Summer bedding or indoor culture. It is of easy culture, early to blossom and continues throughout the Summer until the first killing frost. No other flower produces a greater diversity of color, retaining its freshness for so long a period. Pure white, crimson, and all colors mixed.

96. *Howard's Star Petunia*—A beautiful variety; produces a profusion of crimson-maroon flowers, each having a distinctive five-pointed white star.

97. *Phlox Drummondii* (a)—One of our finest hardy annuals, on account of its long season in bloom. Easily grown from seed; makes a brilliant display as a Summer bedding plant. In all bright colors, or all colors mixed.

98. *Hardy Phlox* (p)—For a gorgeous show these are the most satisfactory of all perennial plants, 2 feet high, in all bright colors; seeds sown late in Fall will germinate in the Spring; mixed and white, pink, lavender and scarlet. Pkt., 10c.; 3 for 25c.



97. Phlox Drummondii

Your M. & S. Giltedge Mixture Sweet Peas produced the finest I ever had. They were the finest in my neighborhood.

Yours truly,

J. A. H. ANDES, Ten Hills, Md.



**WALLFLOWER (p)**

131. Wallflower

Favorite sweet-scented flowers, of fine colors. Splendid for cutting and useful as Spring bedders.

131. Cloth of Gold—Yellow.

Early Feltham—Fine brown, dwarf.

Vulcan—Dark blood red.

All colors mixed.

132. Wild Flower Garden (a)—Fine mixture of old favorites. Pkt., 5c.; oz., 15c.

133. Wild Cucumber Vine (a)—One of the quickest growing annual vines we know of; splendid for covering trellises, old trees; fences, etc. Clean, bright green foliage and sprays of white flowers during July and August, also known as Pants and Petticoat.

134. ZINNIA (a). (Youth and Old Age)—One of the most brilliant and showy of annuals, and has long been a general favorite. They come in flower early in the Summer, and keep on blooming until frost. Require little attention and succeed almost anywhere. For perfection of blossom start the seeds in March, and prick out once or twice before transferring to the open border in May or June. Provide the plants with plenty of room, at least 18 inches apart each way, and they soon completely cover the ground. M. & S. Dwarf—Double; in six distinct colors: white, pink, crimson, scarlet, yellow, purple, and all colors mixed. Each, 5c. pkt.; oz., 50c.



135. Curled and Crested—A new distinctive variety. Pkt., 10c.

136. Tall Double Mixed.

**ALL FLOWER SEEDS 5 CENTS A PACKAGE, UNLESS OTHERWISE SPECIFIED.**

**137 CHINESE WOOLFLOWER**

This introduced from China some years ago and has proved a great success everywhere. There is not the slightest doubt but that it is the most magnificent garden annual. Its ease of culture and long continued season of bloom (early in July until frost), together with its massive bunches of wool-like flowers and glowing color combine to make it the showiest as well as the most odd and novel garden flower.

Plants grow two to three feet high, the blooms starting early with a central globular head which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost, but all continue to expand and glow with a deepening richness of color, a deep crimson-scarlet. Seed—10c. per pkt., 3 pkts. for 25c.

**M. & S. GIANT DWARF NASTURTIUMS (a)**

A great advance has been made of late years in the range of new colors which has been developed in this popular flower, which is one of our most beautiful annuals; easily grown and

producing a great profusion of brilliant colored flowers from within a few weeks after they are sown until they are killed by frost; they will flower more profusely in thin soil. Our Nasturtiums are noted for their size, variety and brilliancy of their colors.

138. M. & S.

Fancy Giant Mixed Dwarf—

This is one of the finest mixtures ever offered; composed of the largest and finest varieties. Pkt., 5c.; oz., 15c.; 2 oz., 25c.; 1/4 lb., 40c.; 1 lb., \$1.25.

**M. & S.****DWARF=NAMED NASTURTIUMS**

139. Aurora—Rich yellow, veined carmine.

140. Chameleon—Produces various colors and markings on the

same plant.

141. Empress of India—Dark-leaved, velvety dark scarlet flowers; select flowers.

142. Ladybird—Rich yellow, scarlet-spotted flowers, dark-leaved; splendid.

143. Queen of Tom Thumbs—Variegated foliage; choicest mixture.

144. Golden Queen—Yellow-leaved, with golden yellow flowers. Prices of all the above varieties as follows: Pkt., 5c.; oz., 15c.; 2 oz., 25c.; 1/4 lb., 40c.; 1 lb., \$1.25.

145. M. & S. Tall or Climbing Nasturtiums—This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. For covering trellises, fences, arbors, piazzas, trailing from vases, over rock work, etc., nothing equally gorgeous effect produced by that great quantities of bloom from early Summer until frost; height, 8 to 10 feet. Pkt., 5c.; oz., 15c.; 2 oz., 25c.; 1/4 lb., 40c.; 1 lb., \$1.25.

**M. & S. SWEET PEAS (a)**

Sweet Peas, owing to the extremely short crops for the last two years are very scarce, and whilst the prices quoted are not firm, we shall endeavor to adhere to them as long as we can. Intending purchasers are strongly advised to order as soon as possible after receipt of catalogue. It will be difficult to replace the seed when our supply is sold.

Through the skill of specialists, the Sweet Pea has become much larger and lovelier than before it became so popular. There are flowers of quite distinct shapes, some of which are a great improvement upon the Sweet Pea of the old type. For garden decoration it is now grown in clumps, and in separate colors. The plants are more robust, dwarf, branching, and bloom more freely; some varieties showing three to four blooms on a stem.

**HOW TO GROW SWEET PEAS**

A deep, rich, moist soil is best suited to Sweet Peas, hence a trench should be dug 1 1/2 feet deep and filled with very best loam mixed with bone meal or well-rotted stable manure. The vines are usually grown in double rows, with a wire trellis or a row of brush between. For each double row make the drills about 6 inches deep, and 9 or 10 inches apart. Sow plentifully, covering about 2 inches deep, and by degrees, as the vines

**SWEET PEAS LISTED ON NEXT PAGE.**

**ALL FLOWER SEEDS ARE 5 CENTS A PACKAGE UNLESS OTHERWISE NOTED (ORDER BY NUMBER).**

grow up, fill the trenches with soil, and thin out to about 2 or 3 inches apart. Spring sowings should be made just as early as the ground can be prepared. The earliest flowers are from seed sown in Fall, preferably in a dry situation, and 6 to 8 inches deep, giving them level culture. Sweet Peas should not be grown on the same soil year after year. If the location cannot be changed, the soil to the depth and width of a foot or so should be removed and replaced by soil from another part of the garden or grounds. If the soil is in good rich condition, bone meal is the best fertilizer.

### M. & S. LEGUME INOCULATOR

The ideal preparation for treating Sweet Pea Seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period. 50c. per bottle. See page 22 for full particulars.

### 146 M. & S. GILT EDGE SWEET PEA MIXTURE

This superb mixture is blended by us with extraordinary care from named varieties of the most improved large flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring a gorgeous color effect. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.;  $\frac{1}{2}$  lb., 40c.; lb., 75c.

147. Everlasting Sweet Peas. (*Lathyrus latifolius*). (p)—Flowers and foliage resemble Sweet Peas, free flowering; 7 to 8 feet; pink, white and mixed colors. Pkt., 5c. each.

### 148 SPENCER OR ORCHID FLOWERING MIXED SWEET PEAS

A special mixture of the finest Spencer type. Pkt., 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.75.



Spencer, or Orchid Flowering Sweet Peas

ALL FLOWER SEEDS ARE 5 CENTS A PACKAGE UNLESS OTHERWISE NOTED (ORDER BY NUMBER).

### M. & S. SELECTED NAMED SWEET PEAS—*Grandiflora* Varieties

The varieties we offer below have been selected from a large list and embrace only the very best large flowering sorts and for freedom of bloom, size of flowers and strength of stems cannot be surpassed.

- 149. **America**—Blood red striped on white.
- 150. **Apple Blossom**—Rose pink and white.
- 151. **Black Knight**—Maroon.
- 152. **Blanche Ferry**—Standard carmine rose, wings white pink.
- 153. **Captain of the Blues**—Bright blue.
- 154. **Countess of Radnor**—Delicate lavender standard, dark mauve wings, dainty white white-edged pink.
- 155. **Dorothy Eckford**—Fine, pure white large flowers.
- 156. **Emily Henderson**—Splendid pure white, good for forcing.
- 157. **Hon. Mrs. E. Kenyon**—Beautiful yellow.
- 158. **Firefly**—Crimson.
- 159. **Katherine Tracy**—Soft brilliant pink.
- 160. **King Edward VII**—Bright crimson.

Prices on the above, each, package, 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

### M. & S. NAMED SPENCER OR ORCHID FLOWERING SWEET PEAS

These are noted for their unusually large-sized flowers and for the waved or fluted appearance of the petals.

- 161. **King Edward VII**—Crimson self.
- 162. **Mrs. Hugh Dickson**—Rich apricot cream, shaded pink.
- 163. **Primrose**—Pure primrose or creamy yellow, very large.
- 164. **White Spencer**—Beautiful large pure white.
- 165. **Hercules**—Large pure pink.
- 166. **Captain of the Blues**—Purple.

Price—Any of the above, pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00.

167. **Yarrawa**—One of the finest, lately introduced. Flowers exquisitely waved, of large size, many being double, color a pleasing shade of bright rose pink, with lighter wings. Pkt., 25c.; oz., 75c.;  $\frac{1}{4}$  lb., \$2.50.

### CHRISTMAS, OR WINTER FLOWERING SWEET PEAS

#### FOR FORCING INDOORS.

This seed has been grown from originator's stock and can be depended upon for excellent results.

- 168. **Christmas Pink**—Pink and white.
- 169. **Christmas White**.
- 170. **Christmas Captain**—Blue and purple.
- 171. **Christmas Meteor**—Scarlet.
- 172. **Mrs. Wm. Sims**—Salmon pink.
- 173. **Mrs. Alex. Wallace**—Lavender.

Prices of all the above: Pkt., 10c.; oz., 25c.; lb., \$2.00.

### M. & S. SUPERFINE DAHLIA ROOTS

For postage add 5c. each; dozen lots should be sent by express.

**Culture**—One of the most important points in the cultivation of the Dahlia is to select a well-drained position where they will receive the full benefit of the sun during the greater part of the day.

As to soil, they are not at all particular, excepting that in the case of a stiff clay some loose material should be added, such as coarse sand, old mortar, or anything which will make the soil loose and friable. The soil must be well dug, and a liberal amount of suitable plant food incorporated. For this nothing is more satisfactory than well-decayed stable manure; but where this cannot be conveniently procured pure bonemeal, sheep manure, or any chemical fertilizer rich in ammonia and phosphoric acid will answer.

The planting of dormant roots in the latitude of Baltimore may be done at any time between April 25th and June 15th, the earlier planting being preferable. Plants must not be set out until all danger of frost is over, say May 10th.

Dahlias should be planted where they can be watered during the blooming period.

I planted some of your "M. & S." Sweet Pea Mixture last October and I have never had such beautiful flowers before.

Yours truly,

HARRY M. REVER, 2202 Boston Street, Baltimore, Md.

### CLASSIFICATIONS OF DAHLIAS

**Class 1. Cactus**—This class embraces the long, narrow-petaled varieties, the petals of which are generally pointed or pointed.

**Class 2. Decorative**—This class is an intermediate form having broad, flat petals.

**Class 3. Fancy**—This class takes in all variegated varieties.

**Class 4. Peony Flowered**—A semi-double of the decorative form.

**Class 5. Pompon**—This class embraces the small, round dahlias.

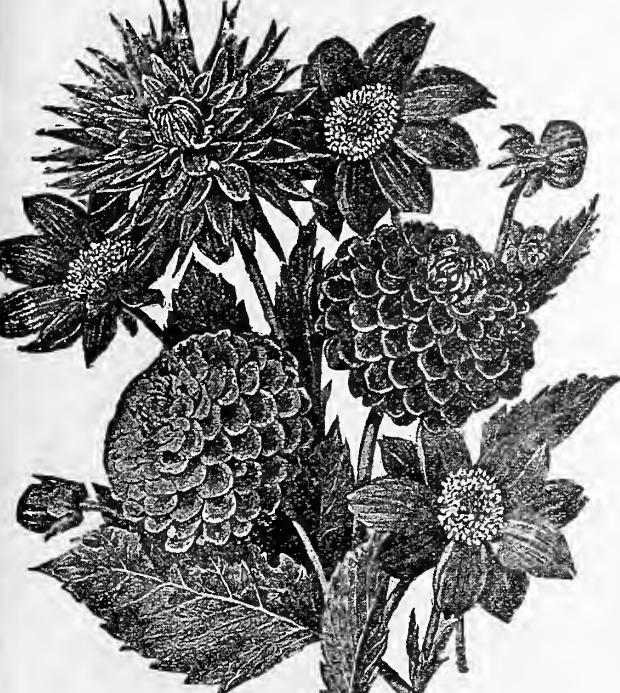
**Class 6. Show**—The name Show applies to those varieties producing large, well-formed flowers, showing only solid colors, it may frequently have shaded tips.

**Class 7. Single**—Too well known to require a description.

**Class 8. Collerettes**—Single flowers with another layer of petals on the stamen.

### BOX COLLECTION OF DAHLIAS

A new departure; put up in sets of ten assorted varieties, labeled, embracing a wide range of colors, red, white, pink, yellow, variegated, etc.; no two alike. This collection is put in a telescope box and is sent through Parcel Post to any part of the United States for \$1.50.

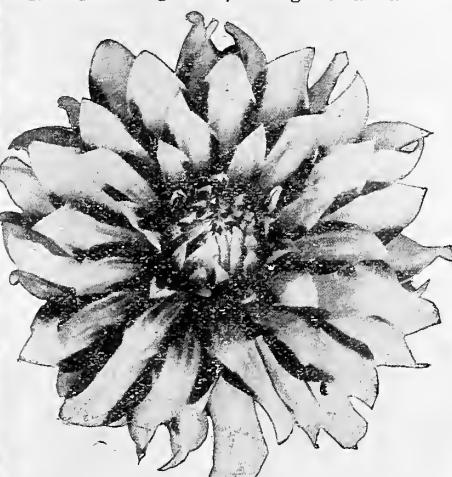


Box Collection of M. & S. Superfine Dahlias, \$1.50.

After May 1st we can furnish started Dahlia Plants at the same price as roots.

### CHOICE DECORATIVE DAHLIAS

**Celeste Meyer**—A superb Fancy Decorative Dahlia. Combining all the virtues of a first-class Dahlia. The plant is a strong, vigorous grower, foliage clean and bright; a height of four feet. Flowers are quite full and grows large in size; borne on exceptionally long stems, which hold the flower erect. Color, Tango Red, heavily tipped and striped with white, which in most of the flowers reaches down to the base of the petal, leaving alternate streaks of red and white. In others the marking is not so distinct, giving a shading of pink and white; a very attractive and pleasing flower; a very prolific bloomer. Each, 25c.; doz., \$2.50.



Celeste Meyer

**Eleanor Stisser**—This variety is a tall grower, making a height of five to six feet, strong and vigorous. Its color is quite new in the Dahlia family, being a combination of shadings



Eleanor Stisser

**Papa Charmant**—Bright, glowing, velvet maroon. Perfectly formed flowers on long stiff stems. 25c. each; \$2.50 doz.

**Clifford W. Bruton**—A fine bright yellow. 15c. each, \$1.50 doz.

**Delice**—Beautiful glowing, rosy pink; good stems; fine for cutting. 15c. each; \$1.50 doz.

**Henry Patrick**—A beautiful pure white. 15c. each; \$1.50 doz.

**Jack Rose**—Brilliant crimson-red, similar in shade to the popular "Jack" Rose, which suggested its name; perfect for garden decoration or for cutting. 15c. each; \$1.50 doz.

**Mrs. Hartong**—Golden-bronze; very fine. 15c. each; \$1.50 doz.

**Mad. Vanden Dael**—Delicate Silver Rose. 15c. each; \$1.50 doz.

**Sylvia**—Soft, pleasing mauve-pink, gradually changing to white in the centre. 15c. each; \$1.50 doz.

**Souv. de Gus Douzon**—Immense flowers; a beautiful red, tall and grand bloomer. 15c. each; \$1.50 doz.

**Wm. Agnew**—Best red decorative profuse bloomer. 15c. each; \$1.50 doz.

**Yellow de Colosse**—Large double flowers of brightest yellow. 15c. each; \$1.50 doz.

Our selection of the above named, \$1.25 per dozen.

### CHOICE CACTUS DAHLIAS

**Rheinkonig**—Pure snow-white flowers of splendid form, 5 inches and over in diameter. These are of great substance, lasting splendidly when cut; they are borne on long, stiff stems held well above the foliage, making it as valuable for garden decoration as for cutting. 15c. each; \$1.50 doz.

**Brittannia**—Deep salmon. 15c. each; \$1.50 doz.

**Countess of Lonsdale**—A peculiar but pleasing blending of salmon pink and amber, a color difficult to describe. Flowers freely under all conditions. 15c. each; \$1.50 doz.

**Floradora**—Remarkably free-flowering, bright dark-red. 15c. each; \$1.50 doz.

**J. H. Jackson**—Dark velvet maroon. 15c. each; \$1.50 doz.

**Else**—Buttercup yellow, shading into amber. 15c. each; \$1.50 doz.

**Morning Glow (Day Primrose)**—15c. each; \$1.50 doz.

**Kriemhilde**—A most popular cut-flower variety; perfect flowers on long stems; color a brilliant pink, gradually shading to white at the centre. 15c. each; \$1.50 doz.

**Mrs. H. J. Jones**—Bright scarlet, tipped white. 15c. each; \$1.50 doz.

**Standard Bearer**—Rich, fiery scarlet; free and of perfect form. 15c. each; \$1.50 doz.

**Winsome**—Pure white; twisted petals. 15c. each; \$1.50 doz.

### FANCY VARIETIES

**Lucy Fawcett**—Canary yellow, striped wine, show type. 15c. each; \$1.50 doz.

**Le Grand Manitou**—White ground color, prettily spotted, striped and blotched with deep reddish violet; dec. type. 25c. each; \$2.75 doz.

**Olympia**—Bright rose pink, marked with rich crimson. 15c. each; \$1.50 doz.

**Progress**—Bright, rose, penciled and spotted crimson; show type. 15c. each; \$1.50 doz.

**Prof. Mansfield**—Rich yellow, clear white, tips rosy red. Like all fancy varieties the color is very variable; dec. type. 15c. each; \$1.50 doz.

## SHOW VARIETIES

**Zebra**—Pearl white, edged deep pink. 15c. each; \$1.50 doz.  
**Emily**—Solfenio, with white marking; very large and free. 15c. each; \$1.50 doz.  
**A. D. Livoni**—A splendid clear pink, beautifully quilled. 15c. each; \$1.50 doz.  
**John Thorpe**—Deep lilac, rose pink; very large and free. 15c. each; \$1.50 doz.  
**Cuban Giant**—Immense ball-shaped blooms of bright maroon; free and early. 15c. each; \$1.50 doz.  
**John Thorpe**—Deep lilac, rose pink; very large and free. 15c. each; \$1.50 doz.  
**Marguerite Bruant**—Pure white, dwarf and free blooming. 15c. each; \$1.50 doz.  
**Princess Bonnie**—Creamy white, dainty tint of pink. 15c. each; \$1.50 doz.  
**Electric**—Soft magenta rose. 15c. each; \$1.50 doz.  
**Ruby Queen**—Clear ruby red, richly shaded. 20c. each; \$2.00 doz.  
**Magnificent**—Undoubtedly the most perfectly quilled Dahlia grown; flowers of medium size, but very perfect, of a soft lemon-yellow. 15c. each; \$1.50 doz.

## PAEONY FLOWERING DAHLIAS

**Zeppelin**—Entirely distinct; a pleasing soft shade of lavender mauve. Flowers of medium size; of good form and very free flowering. Early bloomers. Price, 25c. each; \$2.75 doz.  
**Prairie Fire**—Rich scarlet. 20c. each; \$1.75 doz.  
**Hon. R. L. Borden**—Large, distinct; rich golden bronze. 15c. each; \$1.50 doz.  
**Geisha**—The showiest and most attractive of this type yet introduced. The flowers are original in form, consisting of peculiarly twisted and curled petals, of an effective and rich combination of scarlet and gold, the centre being yellow, which becomes suffused with and deepens to scarlet at the centre of the petals. 35c. each.  
**Queen Wilhelmina**—Pure white; splendid form. 15c. each; \$1.50 doz.

## POMPOM DAHLIAS

**Little Beauty**—Delicate shrimp pink.  
**Crimson Queen**—Deep crimson-shaded purple.  
**Day Break**—Beautiful light pink.  
**Rosalia**—Yellow-edged crimson.  
**Snow-clad**—Pure white, early and profuse bloomer.  
All of the above, 15c. each; \$1.50 per dozen.

## SINGLE AND COLLARETTE DAHLIAS

**Twentieth Century**—Early in the season an intense rosy-crimson, shading gradually to almost white on the edges and a light halo around the disc. As the season advances the flowers become lighter, changing to almost pure white, suffused with soft pink. 15c. each; \$1.50 doz.  
**Fringed Century**—Intensive rosy-crimson with lighter markings, fringed or cleft petals. 15c. each; \$1.50 doz.  
**White Century**—Pure white, with large, heavy, overlapping petals of good texture. 15c. each; \$1.50 doz.  
**Sensation**—A gorgeous flower, brilliant vermillion red; heavily tipped and striped with white. No two flowers alike on a bush. 15c. each; \$1.50 doz.  
**Big Chief**—Brilliant cherry red, margined rich, velvet maroon. 15c. each; \$1.50 doz.  
**Ami Barillet**—Scarlet-crimson flowers. Dark-bronze foliage. 15c. each; \$1.50 doz.

On some varieties, bulbs may be scarce. In this case we can furnish plants.

### JAPANESE FERN BALLS.

A very attractive novelty; in dormant state, seven- to nine-inch bulbs. 50c. each. Parcel post weight, 2 pounds.

## M. & S. CHOICE PAEONIES

Parcel post weight, 2 pounds each.

Double Peonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers. The attention given to them, in Europe and America, has resulted in the production of many notably fine new varieties. Among hardy, herbaceous perennials, the Chinese Peonies rank about first for lawn or flower-border, or shrubbery decoration. They are all hardy.



M. & S. Choice Peonies

**Duchess de Memours**—Pure white, profuse bloomer. 25c. each; \$2.75 doz.  
**Jeanne d'Arc**—Fine rose, centre creamy white and sulphur 25c. each; \$2.75 doz.  
**Rosea**—Beautiful pink. 25c. each; \$2.75 doz.  
**Rubra**—Bright red. 25c. each; \$2.75 doz.

Extra large clumps of any of the above, 50c. each; \$5.00 doz.

## MADERIA, OR MEXICAN VINE (Hardy)

The tubers, if planted deep and protected during the Winter are hardy. The leaf is very deep green, and grows very dense. The flower is small, white in color and fragrant. This very rapid growing vine should be planted wherever a dense, quick shade is desired. Roots, 5c. each; 40c. doz. Parcel post weight, 1 doz. 1 lb.



Double Pearl Tuberose



Elephant Ear

I purchased some Canna Roots from you last Spring and I never, in all my life, have had such beautiful flowers. They were admired by everybody who saw them.

Yours truly,

H. M. GRESHAN, Tappahannock, Va.

## CALADIUM ESCULENTUM (Elephant's Ear)

As centre pieces in flower beds Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1st, but to get them in early growth they may be started indoors.

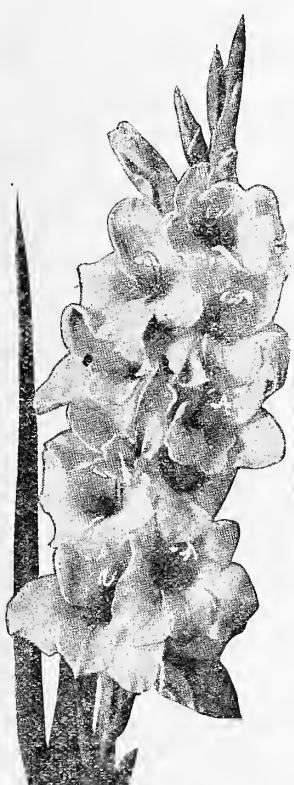
**Monster Bulbs**—25c. each; \$2.50 doz. Parcel post weight, 1 lb. each.

**Mammoth Bulbs**—15c. each; \$1.50 doz. Parcel post weight, 1 lb. each.

## M. & S. SUPERFINE GLADIOLUS

by Parcel Post, add postage at Zone Rates (average weight, 10 lb. per 100). Single bulbs and dozens we deliver free in United States.

**Cultural Hints on Gladiolus**—A sunny location is very essential. The soil should be one that has natural drainage, and should be thoroughly enriched with well-rotted manure. Start to set the bulbs out about April 1st. To get best effects, have about 6 inches of space between them. They usually flower 90 days after planting. In order to have a succession of flowers until frost, make a planting about every 10 days, up to July



M. & S. Choice Mixed Gladiolus

It is advisable to purchase the bulbs at one time, as they are frequently not obtainable later in the season. While growing, bulbs should be thoroughly cultivated, and should be given a dressing of Sheep Manure and Bone Meal. As the bulbs begin to flower, plants should be supported with a suitable stake, to prevent them from breaking off.

**M. & S. Choice Mixed Gladiolus**—Composed of all named varieties in gorgeous blending. 5c. each; 35c. doz.; 100, \$2.00.

## M. & S. NAMED GLADIOLUS

**America**—A beautiful flesh pink, tinged with lavender. A variety of robust growth and easy cultivation. The flowers are very large and expanded, many being open at one time. 5c. each; 5c. doz.; 100, \$2.50.

**Brenchleyensis**—Splendid for garden effects, as all the flowers appear at one time. Vermillion scarlet color, ideal for planting in front of shrubbery. 5c. each; 40c. doz.; 100, \$2.25.

**Baron Joseph Hulot**—Deep indigo blue, slightly marked white at the base of the throat; very attractive when arranged with yellow flowers in a vase. 5c. each; 50c. doz.; 100, \$2.50.

**Principes**—Amaryllis-shaped, gigantic flowers of a dazzling bright scarlet, marked with white on the lower petals. Two to three flowers open at one time. 5c. each; doz., 50c.; 100, \$2.75.

**Halley**—Delicate flesh rose, with white blotch, very lovely. 5c. each; 50c. doz.; 100, \$2.50.

**Empress of India**—Brilliant scarlet suffused rich maroon-red with white throat. 10c. each; 75c. doz.; \$4.50 100.

**Panama**—A grand new seedling of America which it resembles, but is of deeper pink; flowers very large and spike long. 10c. each; 75c. doz.; \$5.00 100.

**Augusta**—Beautiful ivory-white, faintly-tinted rose without markings; large flower with frilled edges. 5c. each; 50c. doz.; \$2.50 100.

**Willy Wigman**—A grand cream-white flower; the lower petal marked dark red on a yellow blotch; early. 10c. each; 75c. doz.; \$5.00 100.

## M. & S. SUPERFINE CANNA BULBS

In almost every private garden, in all public parks and in most of the large cemeteries, Cannas are used with the greatest effect to adorn the surroundings. It is difficult to convey in language an idea of the beauty of the Canna plant and flower.

**Culture**—Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower and these shoots are being constantly produced throughout the blooming season.

**Note**—Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants of most varieties on this page at 5c. each; 50c. doz.; 100, \$4.50 (except where noted).

**Firebird** (Oiseau de Feu)—A remarkable novelty with perfectly formed flowers, 7 to 8 inches in diameter, of a brilliant cardinal-red; the green foliage is of heavy, leathery texture; requires rich soil for best development; 4 feet, 10c. each; \$1.00 doz.; no plants.

**Wyoming**—Bronzy-purple foliage, with immense spikes of massive orange flowers; 7 feet; 7c. each; 75c. per doz.

**Mrs. Alfred F. Conard**—This has become the most popular pink Canna ever introduced and it is unsurpassed for planting either singly or in large beds. Its exquisite salmon pink flowers are of largest size. Wonderfully profuse in blooming, large head; 4 feet; green foliage. Price, dormant roots to April 1st, 10c. each; \$1.00 per doz.; no plants.

**Mont Blanc Improved**—The only pure white Canna; large flowers; 3 1/2 feet; green foliage. 6c. each; 60c. doz.; plants, 10c. each; 90c. doz.

**King Humbert**—Truly a king among the Cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a centre, edged with a dwarf yellow Canna, or vice versa, placing it around a centre of a tall yellow variety. Roots, 5c. each; 60c. doz. Plants, 10c. each; 90c. doz.

**Gladiator**—One of the finest bedders, color deep yellow freely dotted with red; 4 1/2 feet; green foliage. Price on these 11 varieties on next page.

**Charles Henderson**—Grows 4 feet high; rich crimson; green foliage.

**Florence Vaughan**—Grows 5 feet high; green foliage, rich golden yellow, dotted red.

**Austria**—Pure canary yellow, reddish dots in centre, 3 1/2 feet high, green foliage.

**Black Prince**—Deep crimson, bronze foliage; 6 feet high.

**Mme. Crozy**—Bright scarlet, golden border, 3 1/2 feet high; green foliage.

**Richard Wallace**—Very large, 4 feet high; green foliage, yellow flowers.

**Queen Charlotte**—Makes a gorgeous display when planted in masses; color a wide band of yellow, bordering a centre of scarlet; 3 feet high; green foliage.

**Egendale**—Bronze foliage; currant red flower; 4 feet high.

**Venus**—One of the softest and most delicate varieties ever introduced; flowers fair size, soft, rosy pink, with border of creamy yellow; bright green foliage; 3½ feet.

Prices of the above or mixed, 5c. each; 40c. doz.; 100, \$2.75.

## AMARYLLIS READY IN AUGUST)

Extremely ornamental house plant, with large, fragrant, beautifully colored flowers; with a little care they will bloom every season.

There are a great many species of Amaryllis, all producing lily-like flowers, but varying in color from rich crimson and scarlet to pure white, and in size from delicate blossoms scarcely an inch in diameter to those six to nine inches across.

**Belladonna**—Pink. 25c., postpaid.

**Johnsoni**—Red and white; extra large bulbs. 35c. each, postpaid.



Amaryllis

## HYACINTHUS CANDICANS (Cape Hyacinth)

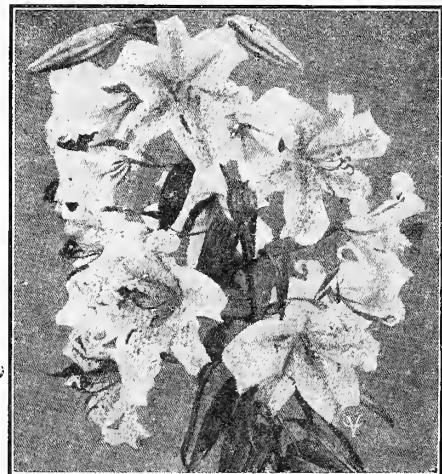
A snow-white Summer-flowering Hyacinth, growing 3 to 5 feet in height, gracefully surmounted with from 20 to 30 pure white, bell-shaped flowers. 5c. each; 50c. doz. Parcel post weight, 1 dozen, 1 pound.

## LILIUM (Lily)

We may not be able to furnish Japanese Lilies this season.

All herbaceous borders should have a few Lilies scattered through them. The sorts offered below can be planted with excellent results during the early Spring months. It is in the hardy border that Lilies do best, as they get the benefit of the shade of the surrounding plants, which is so necessary for their welfare; other varieties should be planted in the Autumn, and are offered in our Autumn catalogue.

**Auratum (Gold-banded Lily)**—Large, graceful flowers, composed of six petals of a delicate ivory-white, thickly studded with chocolate-crimson



Lilium Auratum

spots and striped through the centre a golden yellow.

**Speciosum Album**—Large white flowers of great substance, with a greenish band running through the centre of each petal.

**Speciosum Rubrum, or Roseum**—White, heavily spotted with rich, rosy-crimson spots.

**Speciosum Magnificum**—Rich, deep red.

**Tigridium Splendens. (Single Tiger Lily)**—Very large flower orange, spotted black.

**Tigridium Pleno. (Double Tiger Lily)**—Like above but double.

Plants should be sent by Express whenever possible, to insure safe delivery.

**NOTE.**—All Plants are forwarded by Express, purchaser paying charges. If wanted by Parcel Post add 10 per cent. to value of order for postage to points east of the Mississippi River, and 20 per cent. to points west of the Mississippi River. Roses by Express only.

We are pleased at all times to submit plans and suggestions for laying out hardy plant borders, evergreens, orchards, etc. We are not, however, prepared to undertake the planting thereof but can recommend good, reliable parties for this. Correspondence solicited.

## ROSES—Perpetual, Tea and Climbing

**Special Directions for Planting Roses**—Open a good space the soil and spread roots; never cramp them into a small hole. Do not let manure come in contact with roots, but place underneath and a layer of soil on top. If the rose is a bush plant, set it so deep that only branches are visible above ground and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, see that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent, and remove what might appear to be surplus wood. The strongest growth should be cut back to within 6 inches above ground; the weak growth to 4 inches. All soil above the roots should be well pressed down. Feed your Roses with "Ground Bone" and "Putrified Sheep Manure" or "Poudrette." Mulch the ground during Summer. The best remedy against the rose bug is Thanatus this positively destroys them and does not injure the flower blossom. See index page.

## CLIMBING ROSES

**Tausendschoen, or "Thousand Beauties"**—A beautiful, new climbing Rose, which has leaped into popularity by its inherent merit and beauty. The name "Thousand Beauties" is very appropriate and refers particularly to the wonderful variety colorings found on any one plant. The flowers are soft pink at first, but as they age the most beautiful shades of carmine, rose, cerise, blush and soft white with a gleam of light yellow, soft crimson and intermediate tints; a combination of charming coloring, which is bewildering. \$1.25 each.

**Excelsior**—A distinct variety in form, color and habit. The color is an intense crimson-maroon, with tips of the petals tinged scarlet. Flowers are large and double, produced thirty to forty on a stem, and almost every eye on a shoot produces a cluster of bright blossoms. The individual flowers are very large for a climbing Rose, being similar to those of the Gener Jacqueline, only the petals are of a more loose form. This may be termed a great improvement on the Crimson Ramble, which it is sure to supersede, if only on account of its foliage, which is mildew proof; waxy, healthy and lustrous. \$1.25 each.

**White Dorothy Perkins**—Exact counterpart of Pink Dorothy Perkins, excepting color. \$1.00 each.

**Reine Marie Antoinette**—Frequently referred to as the "Gloire de Dijon." It is an exceptionally good variety and will please everyone who favors climbing roses. A sturdy climber and ever bloomer, thriving especially well in protected position. Elegant in bud, with large foliage, free from mildew. \$1.25 each.

**Silver Moon**—Flowers very large, four and one-half inch and over in diameter, pure white in color, petals of great substance, beautifully cupped, forming a Clematis-like flower. The large bunch of yellow stamens in the centre adds to its attractiveness. These flowers are borne on strong stems 12 to 18 inches long, and are delicately scented. The plant is a strong grower, with large, glossy bronze-green foliage. Strong two-year-old plants. \$1.25 each.

**Crimson Rambler**—Large clusters of crimson flowers. \$1.00 each.

**Dorothy Perkins**—Soft shell pink, flowering profusely in large clusters. \$1.00 each.

**Aviator Bleriot**—(The New Yellow Rambler)—We have discarded the old yellow Rambler in favor of this new variety, which we have a strong growing plant with beautiful glossy and disease-proof foliage, and bearing large clusters of medium-sized full double flowers of a saffron yellow, deepening to an almost golden-yellow at the centre. Strong two-year-old plants. \$1.25 each.

**Climbing American Beauty**—Flowers are very full, double, often 5 inches across and of a rosy crimson; a splendid pillar rose. \$1.25 each.

**ALL FLOWER SEEDS ARE 5 CENTS A PACKAGE UNLESS OTHERWISE NOTED (ORDER BY NUMBER).**

## TEA, OR MONTHLY BLOOMING ROSES

All our roses are two-year-old vigorous plants.

**Killarney**—This is, perhaps the best known of Dickson's famous Irish Hybrid-Tea Roses, and is one of the most popular of our garden Roses, and also one of the leading varieties for winter cut flowers. It is perfectly hardy; in growth it is strong and robust and as free-flowering as any Rose we know. In color it is a sparkling brilliant pink; the blooms are large, the buds long and pointed, the petals very large and of great substance, and just as handsome in the full-bloom flower as in the bud form.

**White Killarney**—A pure white sort of the popular Killarney Rose; identical in every way with its parent, excepting in color, which is a pure white.

**My Maryland**—One of the finest American introductions. Very free-flowering, every shoot bearing one or more flowers, which are double, of perfect form, of a bright but tender salmon-pink, which lightens up beautifully as the flower expands; delightfully fragrant.

**Pink Maman Cochet**—Deep rosy-pink.

**White Maman Cochet**—Snowy-white blooms.

**Kaisserin Augusta Victoria**—Pure white.

**Gruss an Telitz**—Rich rosy-red.

**Richmond**—Fine dark red, good free bloomer.

**Helen Gould**—Rosy-red.

**American Beauty**—Deep crimson.

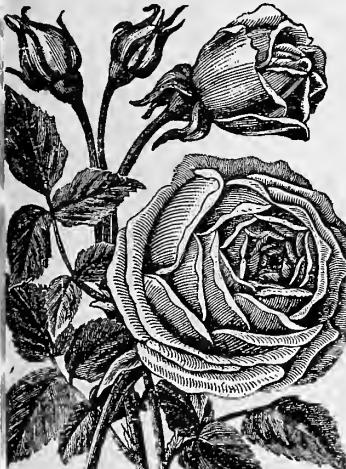
**Hermosa**—Fine, old, pink rose.

**La France**—Fine pink.

**Laurent Carle**—Deep rosy carmine; full flowers.

**Chateau de Clos Vougeot**—Deep velvety crimson; medium-sized blooms.

**Mrs. Aaron Ward**—A conspicuous rose on account of its coloring which is new; as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout. Very free bloomer, the flowers are very exquisite.



**Radiance**

**Radiance**—Bright pink, full flowers; freely produced.

**Friedrichsruhe**—Dark velvety maroon red, very fine flower.

**Dinsmore**—Beautiful bright red, exquisite flower and good loomer, very finely scented.

**Miss Alice de Rothschild**—Of recent introduction. In color rich, deep citron-yellow, which intensifies as the bloom expands. The flowers are very large, full and of perfect form, with highly pointed centre; the petals charmingly reflex. The growth is vigorous, erect and free, continuous in blooming, deliciously fragrant; a superb Rose in every respect.

**Souvenir de President Carnot**—A Rose that pleases everybody; fine in form, of large size and delicate in color; a soft rose shading to white.

**Rhea Reid**—Splendid form; good rich red color; a grand rose.

**Mrs. B. R. Cant**—Clear, bright rose; very double and sweet; an immense bloomer.

**Souv. of Watton**—Fine red, good flower; profuse bloomer.

All two-year-old vigorous plants.

All of these varieties have given good results for outdoor culture. Price, each, \$1.00.

## HYBRID PERPETUAL ROSES

All two-year-old vigorous plants.

**General Jacqueminot**—Brilliant scarlet-crimson; an old favorite and one of the best known roses in cultivation; does well everywhere.

**Paul Neyron**—Clear shining pink, very fine. The largest of all rose blooms, very double and full, finely scented, grows to great height in a single season and stems are almost thornless.

**Frau Karl Druschki**—This is the ideal hardy white Rose, pure color, perfect in form; strong grower and remarkably free-flowering; superb in every way. All the above, \$1.00 each.

**GEO. DICKSON**—A majestic Rose whose imperious size, contour, color, and rare perfume (rich syrupy-rose-tea)—each the last word in what a Rose should be—at once stamp it as a perfect Rose and a Rose without compare. The color is velvety-black, scarlet-crimson with brilliant scarlet reflexed tips, with heavy and uniquely pure crimson-maroon veining on the reverse. The blooms open naturally. Awarded Gold Medal, National Rose Society of England. \$1.25 each.

## M. & S. EARLY-FLOWERING CHRYSANTHEMUM PLANTS

For Parcel Post add 5c. a plant. Dozen Lots per Express Only.

**Crimson Marie Masse**—A crimson sport.

**Ralph Curtis**—Creamy - white sport of M. Masse.

**Horace Martin**—Deep - yellow sport of M. Masse.

**Mlle. Marie Masse**—Beautiful lilac mauve.

**Bobby Burns**—White rosy cerise.

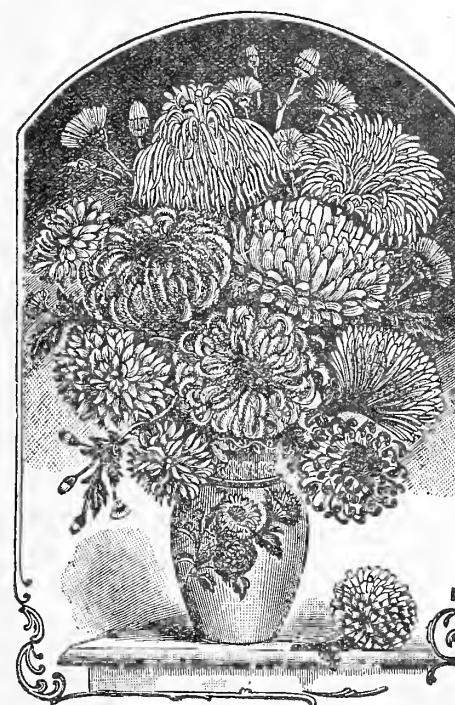
**White Quintus**—Pure white.

**M. Cassimer Perrier**—White, tinted pink.

**Louise Lemaire**—Beautiful golden - yellow.

**C. H. Totty**—A glowing chestnut scarlet; flower, stem and foliage are alike enormous. One of the best all-around Chrysanthemums we have ever introduced to the American market.

**Colonel Appleton**—At one time the most largely grown yellow in cultivation. It is too well known to need description.



**Mary Mason**—Gigantic, bronzy-red; one of the handsomest varieties and easiest doers in cultivation.

**Mrs. G. H. Kahn**—A first-class bronze; comes good on almost any bud, but produces the best color from a bud taken August 20th or later. One of the finest varieties in the bronze section.

All of these Early Flowering Varieties have given good results for outdoor culture. Ready for delivery after May 1st. Each, 20c.; doz., \$2.00.

## HARDY POMPON CHRYSANTHEMUM

These are now universally popular for outdoor bedding, and, considering their many good qualities, there is no cause for surprise to see them cultivated so extensively. They produce a lavish profusion of blooms, giving color, life and beauty to the garden just at a time when other plants have been destroyed by frost and are looking their worst. Frost does not materially affect the flowering, and it will frequently happen that an armful of flowers can be cut late in November. They are quite hardy if planted in a well-drained position, and, with a slight covering of leaves or litter during the winter, will take care of themselves after once planted.

**Pink Diana**—Fine free blooming.

**Early Bronze**—Very effective.

**Golden Martha**—Profuse bloomers.

**Florence Stanton**—Gold, good size.

**Garaza**—Single white.

**Little George**—Red, true Pompon.

**Donald**—Pink, true Pompon.

**Alma**—Light pink, true Pompon.

**Golden Climax**—Yellow, true Pompon.

**Diana**—White, true Pompon.

**Ida**—Light yellow, true Pompon.

**Waco**—White, good size.

All these above, 20c. each; \$2.00 doz.

Mr. John C. Miller, of Rossville, Md., says: We bought our seeds from you this past season. Everything was satisfactory and turned out true to name. You shall have my order next season.

## HARDY PERENNIAL PLANTS

Ready April 15th.

For Postage add 5c. each. Dozen Lots Express Only.



Delphinium, or Larkspur (Hardy)

	Each
Aquilegia (or Columbine) . . . . .	\$0.25
Bleeding Heart . . . . .	.35
Coreopsis . . . . .	.20
Campanula . . . . .	.25
Digitalis . . . . .	.25
Delphinium (or Larkspur) . . . . .	.20
Dianthus (or Hardy Pinks) . . . . .	.20
Fox-Glove . . . . .	.20
Funkia (variegated) . . . . .	.35
Golden-Glow . . . . .	.20
Gypsophila (or Baby's Breath) . . . . .	.25
Gaillardia . . . . .	.20
Helianthus (or Sunflower) . . . . .	.20
Holly-Hocks (Mixed) . . . . .	.30
Hardy Primulas (English) . . . . .	.20
Hardy Asters . . . . .	.20
Iris Germanica . . . . .	.20
Iris Kaempferi (Japanese) . . . . .	.35
Iris Sibirica . . . . .	.25
Pyrethrum . . . . .	.20
Phlox . . . . .	.25
Poppies . . . . .	.25
Rudbekia . . . . .	.20
Spirea (variegated) . . . . .	.20
Sweet Williams (Mixed or New Port Pink) . . . . .	.20
Snap-Dragon . . . . .	.20
Shasta Daisies . . . . .	.20
Veronica . . . . .	.20
Lily of the Valley Clumps . . . . .	.25

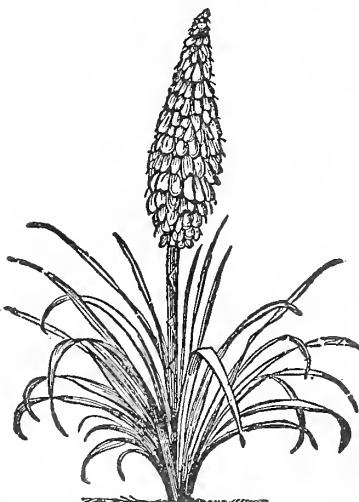
## TRITOMA

(Flame Flower, Torch Lily, or Red Hot Poker Plant).

In mid-Summer and Autumn, when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with Autumn leaves or ornamental grasses make a handsome effect. The roots are considered hardy, though we, however, recommend that they be lifted in the Autumn and placed in a box of soil or sand, preferably in the cellar. There are a number of varieties in commerce, but the sort mentioned below seems to be demanded most and fills every need.

**Pfitzeri**—Blooms from August till October; rich orange scarlet.

We are now taking orders for next May delivery for good, strong plants. 35c. each.



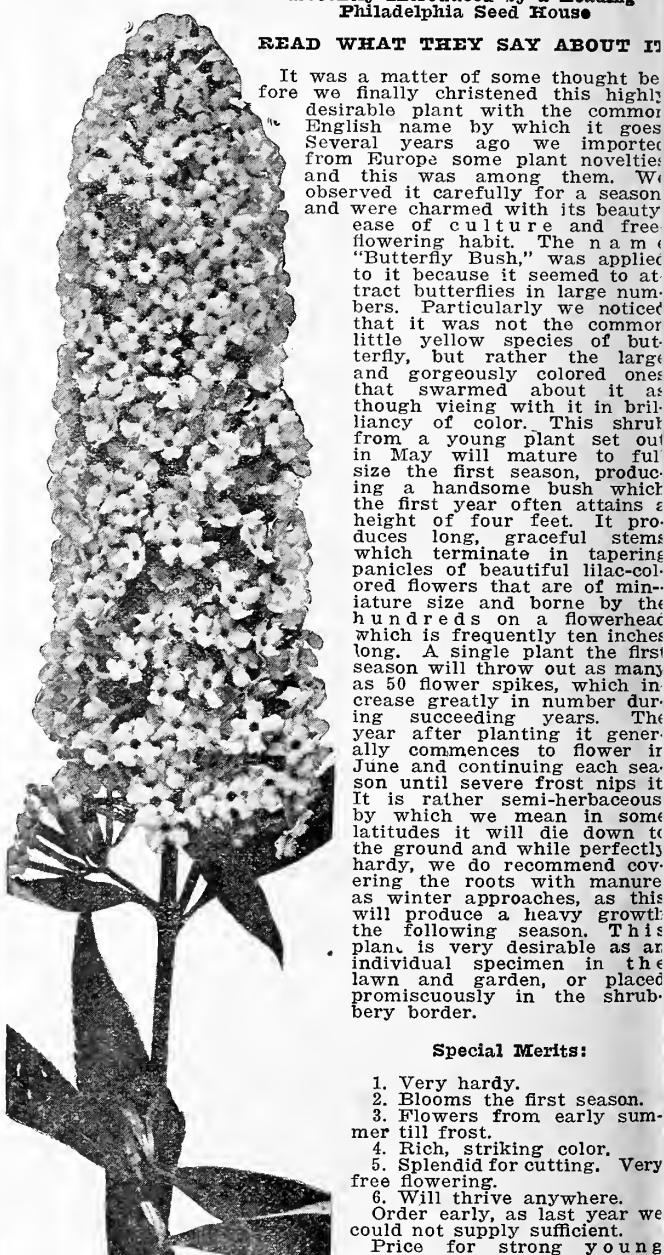
Gentlemen—The Butterfly Bush I bought of you is 5 feet high 175 flowers on one bush which has been blooming since June 1st.

Yours truly,

## THE EVERBLOOMING BUTTERFLY BUSH (Buddleia's Variabilis Magnifica)

Recently Introduced by a Leading Philadelphia Seed House

## READ WHAT THEY SAY ABOUT IT



It was a matter of some thought before we finally christened this highly desirable plant with the common English name by which it goes. Several years ago we imported from Europe some plant novelties, and this was among them. We observed it carefully for a season and were charmed with its beauty and ease of culture and free flowering habit. The name "Butterfly Bush," was applied to it because it seemed to attract butterflies in large numbers. Particularly we noticed that it was not the common little yellow species of butterfly, but rather the large and gorgeously colored ones that swarmed about it as though vieing with it in brilliancy of color. This shrub from a young plant set out in May will mature to full size the first season, producing a handsome bush which the first year often attains a height of four feet. It produces long, graceful stems which terminate in tapering panicles of beautiful lilac-colored flowers that are of miniature size and borne by the hundreds on a flowerhead which is frequently ten inches long. A single plant the first season will throw out as many as 50 flower spikes, which increase greatly in number during succeeding years. The year after planting it generally commences to flower in June and continuing each season until severe frost nips it. It is rather semi-herbaceous by which we mean in some latitudes it will die down to the ground and while perfectly hardy, we do recommend covering the roots with manure as winter approaches, as this will produce a heavy growth the following season. This plant is very desirable as an individual specimen in the lawn and garden, or placed promiscuously in the shrubbery border.

## Special Merits:

1. Very hardy.
2. Blooms the first season.
3. Flowers from early summer till frost.
4. Rich, striking color.
5. Splendid for cutting. Very free flowering.
6. Will thrive anywhere.

Order early, as last year we could not supply sufficient.

Price for strong young plants, which will bloom the first season (ready in May), 60c. each; \$6.00 doz.

Flowerhead or Butterfly Bush

## HARDY AND DECORATIVE DICIDUOUS SHRUBBERY

Sent via Express Only.

**Hydrangea Paniculata Grandiflora**—The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong plants, 75c. each.

**Hydrangea Arborescens Grandiflora Alba** (Snowball Hydrangea)—The snow-white blooms are of the largest size. It comes into bloom early in June, lasting until late August. Is more hardy than any other sorts, and especially suited to plant in shaded places. 75c. each.

**Hydrangea**—Tree type, white turning red. \$1.50.

and 5 feet in diameter; flowers 8 to 12 inches long. There were

CHARLES W. ARMIGER, 3019 Brighton St., Walbrook, Md.

**Hydrangea Hortensia Otaska**—These stately plants make deal showy effects, especially desirable for seashore. If protected in the winter, they will live outdoors for years. Rich pink. Strong plants. 75c. and \$1.50 each.

This class of Hydrangeas (Otaska) can be changed to blue by mixing into the soil around the plant a few handfuls of oot or iron filings. If this is not obtainable some lump alum broken into small pieces can be substituted, about one-half pound to each plant.

**Almond**—Red or white flowering. \$1.00.

**Althea**—White, purple, red. 75c.

**Barberry**—Very useful as hedge. 75c.

**Bridal Wreath**—White flowers. 75c.

**Dutzia**—Pink or white flowering. 75c.

**Forsythia**—Yellow, very early. 75c.

**Lilac**—Purple or white flowering. 75c.

**Magnolia**—White and purple flowering. \$3.25.

**Mock Orange**—Golden leaved. 75c.

**Pyrus Japonicus**—Japan Quince, scarlet. 75c.

**Spireas**—Crimson, white or pink flowering. 75c.

**Snowball**—Japanese and common. 75c.

**Weigela**—White, crimson, pink. 50c.

## EVERGREEN SHRUBS AND TREES

**Mahonia Aquifolia**—Holly-like leaves, very handsome yellow flowers in May; especially good for shady places; 18 to 24 inches. \$1.00 each.

**Rhododendrons**—One of the most beautiful plants in cultivation; either as a single specimen or in masses; we have an assortment of colors; 18 to 24 inches. \$3.00 each.

**Yucca (Adam's Needle)**—This plant sets off to best advantage if placed as individual specimens either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, is slender and pointed. The tall flower spikes rise 4 to 5 feet above the plant and are decked with cream white bell-shaped drooping flowers in July and August. Truly a majestic plant, and especially fine for producing tropical effects. 75c. each.

**Arborvitae American**, **Firs**, **Balsam** and **Nordmans**. **Junipers**, **Irish** and **Japanese**. **Pine**, **White**, **Scotch** and **Austrian**. **Retinosporas**, **Plumosa** and **Plumosa Aurea**. **Squarrosa Veitchii**, **Spruce**, **Norway**, **Kosters** and **Colorado Blue**. **Yew**, **Drupaceae** and **Fortunis Boxwood**. Small trees from \$1.50 to \$2.50. Larger trees, price as to size and variety. Let us quote you.

### Evergreen

## HARDY CLIMBING PLANTS

**Clematis**—Large flowering hybrids; purple, white, or red. 75c. each.

**Clematis paniculata**—Small; white flowering; very fragrant; strong grower. Most satisfactory Clematis that grows. Large plants. 50c. each.

**Wisteria**—White and purple. Two years old. 75c. each.

**Trumpet Vine**—Two years. 75c. each.

**Honeysuckle**—Popular climber. 35c. each.

**Ampelopsis Veitchi**, (**Boston Ivy**, or **Japan Ivy**)—The most popular climbing plant for covering brick, stone, or wooden walls, trees, etc.; when it becomes established it is of very rapid growth and clings to the smoothest surface with the tenacity of ivy; the foliage is of a rich olive green during the summer, changing to various shades of bright crimson and scarlet in the Fall. In planting Ampelopsis of all kinds, the plants, if still in a dormant condition, should be cut down to within 6 inches of the ground, so that the new growth may cling to the wall or tree from the bottom up. Extra strong two-year-old plants. 50c. each.

**Virginia Creeper**—Good strong plants. 50c. each.

**Ivy**, (**English** or **Hardy**)—Keeps its foliage all winter; very strong plants. 50c. each.

## FRUIT TREES AND BERRIES

### PEARS

**Bartlett**—Large size, with a beautiful blush; buttery, very juicy; bears early and abundantly.

**Flemish Beauty**—Large, beautiful, juicy, melting; good bearer; one of the hardiest and does well nearly everywhere.

**Howell**—Large, light, waxon yellow, with a fine, red cheek; handsome, rich, aromatic flavor. An early and profuse bearer.

**Kieffer**—While not of the best quality, properly ripened it is fair dessert fruit, and one of the very best for canning and preserving.

**Lawrence**—A good grower; very productive. Fruit medium,

## HEDGE PLANTS

**California Privet**—Exceedingly beautiful; leaves deep green, bright and very gloss; easily transplanted. The plants we supply have been grown under our own supervision, and only selected stock is sent out.

It is unlike a fence which needs painting, repairing, etc., and never looks well. This hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year, and the possibilities are amply displayed at some of the model suburban home grounds in and around Baltimore. Privet is somewhat of an Evergreen nature, and looks attractive until real winter sets in. To establish a good hedge, the proper foundation is necessary. The trench should be thoroughly manured, and receive an additional liberal application of Pure Bone Meal and both worked in with a spade. Plants should be set 12 inches apart in double rows, in zigzag fashion, so that the plants are diagonally opposite each other, this practically places them 6 inches apart which is desirable to get a quick, dense growth. Plant from October 1st to November 15th, and from March 15th to May 15th.

Two years, 3 to 4 ft., \$6.00 per 100; \$45.00 per 1,000. Two years, 2 to 3 ft., \$5.00 per 100; \$37.50 per 1,000. Two years, 1½ to 2 ft., \$4.50 per 100; \$30.00 per 1,000.

**Berberis Thunbergii**, (**Japanese Barberry**)—A good, hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early Spring to Winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In Autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the Winter, are revealed on the branches.

Price of **Berberis**, 1½ to 2 ft., \$3.00 per doz.; \$20.00 per 100. 2 to 2½ ft., \$5.00 per doz.; \$35.00 per 100.

## CHOICE BEDDING PLANTS

Ready April 15th to June 1st. Special prices in quantities.

**Verbena**, **Nasturtiums**, dwarf and tall; **Alyssum**, **Coleus**, **Lobelia**, **Cosmos**, **Ornamental Grasses**, **Alternanthera**, **Ageratum**, blue and white; **Lantana**, **Mignonette**, **Wandering Jew**, **Farlow Ivy**, **Ivy** and **Rose Geraniums**, **Fansies**, **Cigar Plant**, **Dusty Miller**, **Scarlet Sage**, **Bonfire Dwarf**, **Splendens**, tall; **Abutilons**, dwarf, border plant; **Asters** and many more. 10c. each.

**Geraniums**—All popular varieties from 4-inch pots. 20c. each. **Petunias**, **Heliotrope**, **Fuchsias**, **Snapdragon**, **Sultana**, 20c. each. **Moon Vines**, 25c. each.

## ORNAMENTAL GRASSES—Strong Clumps

**Pampas Grass**, (**Eulalia**)—Striped lengthwise. 50c. each.

**Pampas Grass**, (**Zebrina**)—Striped crosswise. 50c. each.

canary-yellow, sweet and excellent; a good keeper.

**Le Conte**—Very vigorous grower, with luxuriant foliage; fruit very large, greenish-yellow, smooth and handsome; juicy. Early.

**Rossney**—A large variety of rare merit; flesh fine grained and of superior flavor; skin a beautiful creamy yellow, with crimson blush, giving it a tempting appearance; ripening in September.

**Warden-Seckel**—A seedling of the Seckel. Equal in quality to its famous parent, which it much resembles in flavor, is equally as luscious, more juicy, while in size, color, form and appearance it is decidedly superior; hardy and an enormous bearer; fruit keeps well.

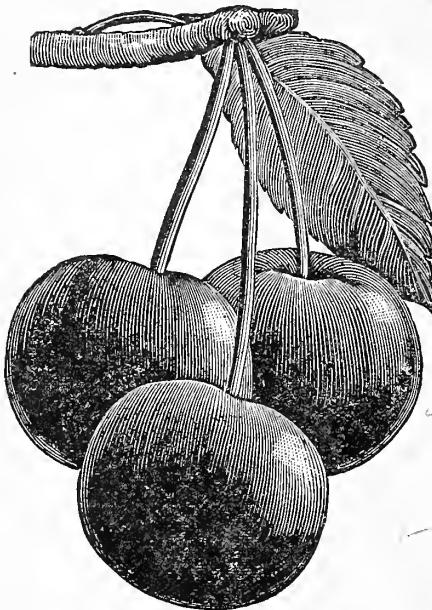
**Extra strong Trees**, 5 to 7 feet high, 75c. each. We can also supply all other varieties.

Gentlemen: For years I have been buying my flower seeds and bulbs from you, and have always been highly pleased. People have stopped at my place and admired my flowers, especially the double Mexican Roses and Sunflowers.

Yours for success,

MRS. M. AMBACH, Chesterfield, Md.

## CHERRIES



Black Tartarian Cherries

**Black Tartarian Cherry**—Very large, purplish black; half tender; flavor mild and pleasant. Tree a remarkably vigorous, erect and beautiful grower, and an immense bearer. Ripe last of June and beginning of July. One of the most popular varieties in all parts of the country.

**Governor Wood**—Yellow; **Florence**, Red; **English Marullo**, Red, tart, and other leading varieties. 75c. each.

## APPLES

**Baldwin**—Large roundish; deep bright red; very productive; handsome fruit. One of the most popular varieties in Northern States.

**Ben Davis**—Large, handsome, striped, productive; a late keeper. A profitable market sort.

**Grimes' Golden**. (Grimes' Golden Pip-pin)—Of the highest

quality; deep golden yellow, aromatic, spicy and rich. Tree

vigorous and productive.

**Maiden's Blush**—Rather large and smooth, evenly shaded red or blush on a clear, pale yellow ground; with a pleasant sub-acid flavor.

**Red Astrachan**—Large, roundish, deep crimson, overspread with a thick bloom; juicy, rich, acid, very productive.

**Rhode Island Greening**—Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer.

**Smokehouse**—A popular old variety in Pennsylvania, where it originated. Roundish oblate; yellow, shaded and striped with bright red; flesh yellowish. A rather crooked grower, but productive.

**Northern Spy**—Large, roundish, slightly conical. Flesh white and tender, with a rich and delicious flavor. The tree should be kept open by pruning, so as to admit air and light freely.

**Wine Sap**—Medium size, dark red; of rich flavor, very productive; late.

Any of the above in 6 to 8 ft. trees. 75c. each.

We can also supply all other varieties, also Crab Apples.

## PEACHES

Trees such as we furnish will often bear the year after they have been set out.

**Crawford's Early**—The best yellow peach for market fruit; large, oblong; skin yellow, with fine red cheek; flesh yellow, juicy; wonderfully productive.

**Crawford's Late**—Fruit of the largest size; skin greenish-yellow, with dull red cheek; flesh yellow; one of the finest late sorts.

**Elberta**—Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. Is doing well in all peach sections north and south. One of the leading market varieties. Follows Early Crawford.

**Mountain Rose**—The largest early peach. White, with red cheek; rich and very good; productive and reliable. Freestone.

**Oldmixon Free**—Uniformly large; white, covered with bright red; one of the best.

**Stump the World**—Very large; skin white, with bright cheek; flesh white, juicy and good.

Extra strong Trees, 5 to 6 feet high, 60c. each. We can also supply all other varieties.

## PLUMS

**Abundance**—The fruit is very large, showy, and beautiful. Amber, turning to a rich, bright cherry color. Ripens early in August.

**Burbank**—Medium to rather large, conical in form; orange-yellow, overlaid with red; flesh firm, meaty, yellow; from two to four weeks later than Abundance.

**Hale**—The plums are of the largest size, bright orange-yellow skin, mottled and nearly covered with vivid cherry-red.

**Red June (Japan)**—Vigorous and early; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow.

**Sultana**—Very large in size, deep purplish-crimson in color; flesh very firm, dark crimson shaded with pink.

**Wickson**—Fruit large, obconical, dark crimson-purple; flesh very firm, highly flavored; pit small. An excellent keeper. Ripens after Burbank.

**Wild Goose**—Large, rich, crimson; very productive and profitable.

Extra strong Trees, 5 to 6 feet high, 75c. each.

Quinces, Apricots and other fruit trees, as well as nut trees, can be furnished promptly at reasonable prices for Reliable Stock. Write for prices.



Fay's Prolific Currants

## CURRANTS

## (Extra Strong Plants)

Currants like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

**Black Naples**—Fruit varies from small to large, averaging above medium; strong flavor. An old and well known variety.

**Cherry**—Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large, color fine, bright red. One of the most productive of the large currants.

**Fay's Prolific**—Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

**White Grape**—Cluster long; berries very large; of very attractive color, mild flavor and good quality.

All the above 25c. each \$2.00 doz.

## GOOSEBERRIES

Gooseberries should be cultivated during the growing season and fertilized with manure in the early Spring or late Fall. They will repay you for this trouble with an extra big crop.

**Downing**—Fruit medium to large, whitish green; flesh soft, juicy. Each, 25c.; \$2.25 doz.

**Houghton**—Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale, red, tender and good. 25c. each; \$2.75 doz.

**Blackberries**—Popular varieties. 20c. each; \$2.00 doz.

## RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the Fall or early Spring.

**Brilliant**—Ripens its fruit early and fast, producing bright, glossy, brilliant red berries, handsome. 20c. each; \$2.00 doz.

**Cuthbert**—Berries very large, measuring 3 inches around; conical; rich crimson. 20c. each; \$2.00 doz.

**Columbian**—Fruit very large, often an inch in diameter; color dark red, bordering on purple. 20c. each; \$2.00 doz.

**St. Regis**—Everbearing Raspberries. They yield their first crop of berries in June (the regular season), and yields a equally heavy crop the latter part of August, and continue bearing right up to November. 25c. each; \$2.50 doz.

## STRAWBERRY PLANTS

Ready from April 1st to May 15th, and from September 1st to November 15th.

**Early Varieties**—Senator Dunlap, Early Jersey Giant, Excelsior, Superior, Klondyke, etc.

**Mid-Season Varieties**—Nick Ohmer, Williar Belt, Marshall, New York, Tennessee, Prolific, Glen Mary, Magic Gem, etc.

**Late Season Varieties**—Gandy, Chesapeake, Chester, Aroma Stevens, Late Champion, etc. Price of any of the above 50c. doz.; 100, \$1.75 1,000, \$6.50.

**Everbearing**—Superb and Progressive. 25 \$1.00; 50, \$1.50; 100, \$2.00.

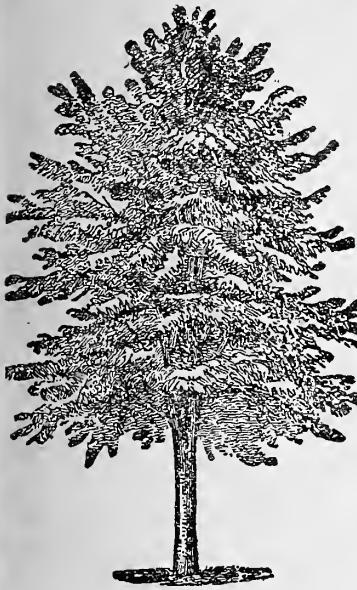
**Pot-Grown Strawberry Plants**—Ready about August 1st. Of late this kind of plant has become very popular, and is almost exclusively employed for garden planting. The failures are few, and much care and labor are avoided. We grow the plants in pots, and when they are well established and ready to ship, turn them out of the pots, preserving the balls of earth around the roots and wrapping them in paper. In this way, during the hottest weather in July, August and September, plants can be transplanted safely and satisfactorily. Plants set out in August and September will bear a crop next season. We can furnish most all popular varieties. 75c. doz.; 100, \$5.00. Everbearing, \$1.00 doz.; 100, \$6.00.

Gentlemen—About two weeks before I received your shipment of potted Nick Ohmer Strawberry Plants, I purchased some from a Philadelphia house, and only one or two of them are growing. My farmer reports that all of the strawberry plants you send me are coming on very nicely.

Yours truly,

FRANK C. MOSIER, Pittston, Pa.

## SHADE TREES



Norway Maples—8-10 ft., \$1.50; 10-12 ft., \$1.75.  
 Silver Maples—10-12 ft., \$1.50.  
 Catalpa Bungeii—grafted—6-8 ft., \$2.50.  
 Poplar, Carolina—10-12 ft., \$1.50.  
 Poplar, Lombardy—8-10 ft., \$1.25.  
 Teas Weeping Mulberries—5-6 ft., \$3.00.  
 Weeping Willows—5-6 ft., \$1.25.  
 Betula Alba, or White American Lindens—8-10 ft., \$1.50.  
 Birch—8-10 ft., \$1.50.  
 Japanese Maple—Blood Leaf—2-3 ft., \$3.00.  
 Cornus Rubra, or Red Dogwood—2-3 ft., \$2.00.  
 Cornus Florida, or White Dogwood—3-4 ft., \$1.75.  
 Oriental Plane—10-12 ft., \$1.50.  
 American Elm—10-12 ft., \$1.50.  
 Sycamore—10-12 ft., \$1.50.  
 Tulip Tree—8-10 ft., \$1.50.

Write for prices on larger quantities.

Sent via Express Only.

## GRAPE VINES

## (Strong Two-Year-Old Stock)

Concord—The well-known standard purple variety, succeeds wherever grapes will grow.  
 Delaware—Bunches and berries rather small; light red; juicy.  
 Catawba—Delicious flavor, medium size red berry.  
 Niagara—An unusually strong grower; bunches very large and compact, berries large, light greenish-white, semi-transparent, has very little pulp and is sweet to the centre.

Any of the above 50c. each.

## ONE OF THE MANY UNSOLICITED RECOMMENDATIONS

January 23, 1918.

Meyer-Stisser Company, Seedsmen,  
 Baltimore, Md.

Gentlemen: Please send me by return mail your priced seed catalogue for 1918, and oblige.

Under the contract made with you by our State Union, I ordered garden seeds from you in the spring of 1917. The order was filled promptly and correctly, and your seeds were as satisfactory as any I have ever planted.

Thanking you in advance for prompt reply,

I am yours fraternally,

H. Q. ALEXANDER, M. D.

## Fertilizers and Plant Foods for the Farm, Garden, Lawn and House Plants

**Fertilizers**—If to be sent by Parcel Post, please include sufficient for postage according to weight and zone.

**Ober's Pure Raw Bone Meal**—(Guaranteed analysis—Phosphoric acid 21%, equivalent to bone phosphate of lime 48%; ammonia 4½%). Does not burn. For flowers, trees and top dressing. 1 lb., 8c.; 25 lbs., \$1.75; 100 lbs., \$4.00; 200 lbs., \$7.50; ton, \$65.00.

**Ober's Pure Bone Meal**—(Guaranteed analysis—1-phosphoric acid 22%, equivalent to bone phosphate or lime 50%, ammonia 3%). Splendid article for building up worn out soil, lawns, etc. 1 lb., 7c.; 25 lbs., \$1.50; 100 lbs., \$3.50; 200 lbs., \$7.00; ton, \$60.00.

truck are the highest priced lands in America, and profits

**Ober's Vegetable and Truck Compound**—4-8-2. Lands suitable for trucking are the highest-priced lands in America, and profits must necessarily be large. Successful market gardeners realize what the liberal use of commercial fertilizers mean. First, strong and healthy plants; for plants, like persons, are, when poorly nourished, very subject to disease. Second, early and large crops, which result in more profit per acre. Third, sweet and tender fruit, the result of rapid growth and quick maturity. For foliage crops, such as cabbage, lettuce, spinach, etc., ammonia is needed; for woody plants and for fiber, phosphoric acid; for fruit, sugar and starch productions, potash. Vegetable and Truck Compound meets all these conditions and is excellent for general use in market gardening. Ton, \$70.00; 200-lb. bag, \$8.00; 100 lbs., \$5.00; 50 lbs., \$3.00; 25 lbs., \$1.75; 1 lb., 8c.

**Ober's Farmers' Mixture Fertilizer**—1-9-2. To be highly recommended for potatoes and vegetables. 200-lb. bag, \$5.50; ton, \$47.50.

**Ober's Independent**—1-8-1. A good all-round fertilizer. 200-lb. bag, \$5.00; ton, \$42.50.

**Ober's Electro Compound**—1-10-0. A general crop producer. 200-lb. bag, \$4.50; ton, \$35.00.

**Acid Phosphate, or South Carolina Rock**—16 per cent. 200-lb. bag, \$3.75; ton, \$29.00; 14 per cent., \$27.00 per ton.

M. & S. PREPARED FIBRE  
COCONUT SOIL

**Grow Your House Bulbs Without Soil, Drainage or Saucers.**

**The Best and Most Charming Way of Producing Spring Flowers for House and Table Decorations.**

Highly recommended and valuable for wornout soils. Should be worked in with soil. For lawns, trees, hedges and shrubbery. Also for house plants of all descriptions. It does not create or retain bugs or flies, and is clean and odorless. For mushrooms it is the missing link, a cover for the beds; holds just enough moisture; mix three-fourths "M. & S." Prepared Fibre Cocoanut Soil with one-fourth loam, and your plants will be the right color and of uniform size. Qt., wt., 1 lb., 10c.; 4 qts., wt., 5 lbs., 20c.; pk., wt., 9 lbs., 35c.; bu., wt., 35 lbs., \$1.00. Weights are a guide for parcel post senders only, the fibre is sold by measure.

For gardens, lawns, farm crops, for inoculating alfalfa, for potted plants and greenhouses. It contains Lime, Humus, Nitrogen, Phosphorus and Potash, which are the elements that are necessary to all growing plants. For gardens spread at the rate of 100 pounds to 1500 square feet and 1½ ton to the acre, rake or harrow thoroughly during growing season. Lime Fertile may be used as a top dressing, working it around the plants. For lawns use same quantity, rake and roll it. Lime Fertile cannot burn the grass or soil. For farm crops apply with drill at the rate of 200 to 400 pounds per acre. For alfalfa inoculation spread from 1 to 1½ tons per acre. For potted plants and greenhouses, mix with the soil in the flower pot or bench, so that the top inch or two contains about one-fourth Lime Fertile, water after mixing. 5-lb. pkg., 40c.; 25-lb. bag, \$1.00; 100-lb. bag, \$2.50; ton, price on application.

**Alphano Humus**—A good plant food to be applied at any time. Price, \$2.00 per bag of 100 lbs.; in 5-bag lots, \$1.75 per bag; in ton lots, \$1.25 per bag; 5c. per lb. in small quantities.

**Sheep Manure**—Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. 1 lb., 6c.; 25 lbs., \$1.25; 50 lbs., \$2.00; \$3.25 per 100 lbs.

**Poudrette (Native Guano)**—Apply 1,000 lbs. per acre. Extensively used for garden, lawns, in making compost and in fact wherever a good, quick acting fertilizer is wanted. It is odorless and easily handled, besides giving immediate results. 5 lbs., 25c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; \$3.75 per 200 lbs.

**Lime (Hydrated or Powdered)**—This is a very fine article for distributing on grass. It promotes growth; gives the grasses rich color, and has a tendency to prevent the growth of weeds; sweetens sour soil. Apply one ton per acre of fields or ½ ton on lawns. Lb., 3c.; 50-lb. bag, \$1.25; 100 lbs., \$2.00.

**Nitrate of Soda**—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizer to render application more easy. Use only after plants are above ground. If used in liquid form dilute two ounces to one gallon of water and do not apply oftener than twice a week. 15c. lb. Write or inquire for prices in larger quantities.

**Land Plaster**—Apply about 1,000 to 1,500 lbs. per acre. For a top dressing on sour and wornout soils, also for mixing with Paris Green. 5 lbs., 20c.; 50 lbs., \$1.00; \$1.50 per 100 lbs.; 200 lbs., \$2.00.

**Blood (Dried)**—For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 15c. per lb.

**Salt**—For agricultural purposes. 200 lbs., \$2.25; ton, price on application.

**Tobacco Stems**—For fumigating, mulching and fertilizing these are invaluable. The chief fertilizing element in them is the potash. They make an excellent top dressing for lawns in Winter. 1 lb., 5c.; 50 lbs., \$1.25; 100 lbs., \$1.75.



They contain those ingredients in their proper proportions that are necessary for healthy plant life. Their use promotes a luxuriant, vigorous growth of branch leaf and flower. Thousands of plant lovers who do not keep plants would do so if they knew how beautiful and luxuriantly they could make them bloom by feeding them Sterlingworth Plant Tablets. 1 tablet to 1 pint water. Prices: Large size, 25c., postpaid; trial size, 10c., postpaid.

"Fluerette"—A liquid plant food. Makes strong and rapid growth, gives luxuriant foliage, enlarges and nourishes the bloom. Carefully prepared so as not to injure the tender shoot peeping through the soil or the most delicate fronds of the fern.

Destroys all germs that breed insects in the soil and feeds the plant at the same time. To be diluted with water and it is ready for use.  $\frac{1}{2}$  pint, 20c.; pt., 40c.; qt., 60c.; gal., \$1.75. Sent by express satisfactory results.  $\frac{1}{2}$  pt., 25c.; 5 lbs., \$1.00.

## M. & S. INSECT DESTROYING PREPARATIONS

### "BLACK LEAF 40"

Nicotine Sulphate—40% Nicotine

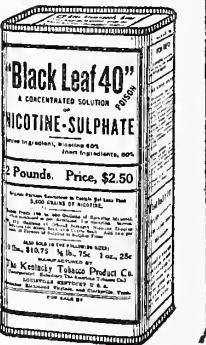
This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphis (plant lice), Thrips, Leaf-hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

May be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzles.

You can not go wrong by ordering "Black Leaf 40" for sucking insects.

#### PRICES:

1 oz.—\$0.25—makes 6 gallons spray
$\frac{1}{2}$ lb.—0.75—" 40 to 120 gals. spray
2 lb.—2.50—" 160 to 500 " "
10 lb.—10.75—" 800 to 2500 " "



**Nico-Fume Liquid**—A refined solution of free nicotine. Used as a spray or fumigator. Death to all kinds of insects that infect plant life.  $\frac{1}{4}$  lb. can, 50c.; 1 lb. can, \$1.50; 4-lb. can, \$5.50; by express only.

"Nico-Fume"—A tobacco paper insecticide for fumigating greenhouses. Extensively used by prominent florists. Very easy to apply. 24 sheets, 35c.; 144 sheets, \$4.00.

Parcel Post weight, 1 and 4 lbs. respectively.

**Hammond Thrip Juice No. 2**—Effective against Aphis, Red Spider, Mealy Bugs, Soft Scale, and sucking insects generally. This is a contact insecticide, concentrated. Especially adapted for use on plants and vegetables grown under glass. Non-poisonous. Dilute for use: one part Thrip Juice with forty parts water. Always use soft water or boiled water. Price, 40c. per  $\frac{1}{2}$  pt.; 75c. pt. Lemon Oil "Standard"

**Insecticide**—As a dip or a spray effective and harmless to delicate plants. Destroys thrip scale, red spider fly, caterpillar, A m c r i c a n blight, etc. Dilute with 50 parts of water. Odorless, poisonless, the best flea killer, wash and mange remedy for dogs and cats.  $\frac{1}{2}$  pt., 30c.; pt., 50c.; qt., 90c.;  $\frac{1}{2}$  gal., \$1.50; gal., \$2.50. Sent by express or freight only.

The killing values of this soap are increased by the addition of tobacco and tobacco extractive matter; it possesses the valuable features of **Whale Oil** or **Fish Oil** Soap with the additional insecticide values of tobacco and may be used for all insect killing purposes for which **Whale Oil** or **Fish Oil Soap** may be used with doubly satisfactory results.  $\frac{1}{2}$  pt., 25c.; 5 lbs., \$1.00.



**Sulpho-Tobacco Soap**—A sure and safe exterminator of all kinds of insects and vermin. A powerful fertilizer. Pkg., 10c. and 20c.

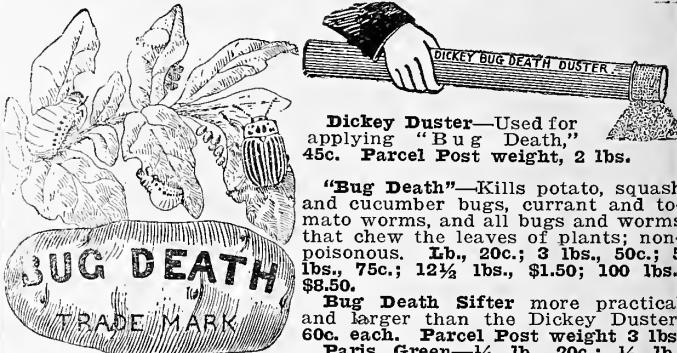
**Tobacco Dust**—Lb., 5c. Special price on quantity.

**Flowers of Sulphur**—Effective for mildew. Lb., 15c.

"**Thanatus**"—An insecticide to destroy mealy bugs, snail, green fly, red and black spider, black flea, scale and all insects that infest plant life. It is perfectly harmless to the bloom, bud or plant, and contains no poison or acid; in fact, a flower could be soaked in this solution for several minutes without doing any damage whatsoever. No solution now on the market is as harmless and so effective. "**Thanatus**" is very adaptable for all indoor plants, and always ready for use by diluting with water. Directions on label.  $\frac{1}{2}$  pt., 25c.; pt., 40c.; qt., 75c.; gal., \$2.25.



**Hammond's Slug Shot**—A non-poisonous powder; it requires no further mixing or preparation; easily applied, and not injurious or dangerous to animals or the person applying it on fruits and vegetables treated; destroys potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. Ten to forty pounds is enough for an acre. 1-lb. carton, 20c.; 5-lb. pkg., 50c.



**Dickey Duster**—Used for applying "Bug Death," 45c. Parcel Post weight, 2 lbs.

"**Bug Death**"—Kills potato, squash and cucumber bugs, currant and tomato worms, and all bugs and worms that chew the leaves of plants; non-poisonous. Lb., 20c.; 3 lbs., 50c.; 5 lbs., 75c.; 12 $\frac{1}{2}$  lbs., \$1.50; 100 lbs., \$8.50.

**Bug Death Sifter** more practical and larger than the Dickey Duster 60c. each. Parcel Post weight 3 lbs. Paris Green— $\frac{1}{4}$  lb., 20c.;  $\frac{1}{2}$  lb., 35c.; 1 lb., 60c. Prices subject to change.

**Bordeaux Mixture** in dry form. 1 lb., 40c.; 5 lbs., \$1.75.

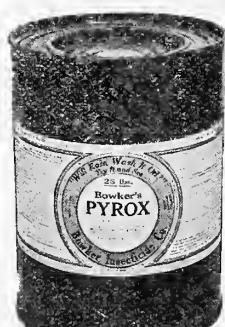
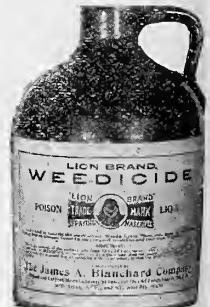
## LION BRAND WEEDICIDE

A scientific preparation for destroying grass and weeds in paths, roadways, streets and gutters. To be diluted with water.

Qt., 50c.; 1 gal., \$1.50; 5 gals., \$5.00; 10 gals., \$7.50; barrel lots, 65c. per gallon. By express or freight only.

**Sterling Lawn Compound**—A Weed Killer which is easily applied by sprinkling over the weedy lawn. One pound will dress 100 or 200 square feet, depending on the lawn's condition.

5 lbs., \$1.00; mailing weight, 6 lbs.



**Pyrox**—Kills all leaf-eating insects and destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage, vegetables, fruits and shrubs. Every truck grower wants "Pyrox" for his potatoes, tomatoes, cucumbers, egg plants, peppers, melons. It kills insects and prevents plant diseases. One solution serves both purposes. Many growers have told us they could never get a crop until they had used Pyrox. For potatoes, Pyrox combines the most powerful poison to kill potato bugs and the best fungicide to prevent fungous diseases, such as blight, rust and rot. Bowker's Pyrox kills the codling moth worm, canker worm, tent caterpillar, and similar pests, and at the same time prevents damage by apple scab, rots and other fungi. Coat your seed-corn with Pyrox, and prevent crows from pulling it up and worms from damaging it. A little Pyrox goes a great way in this direction.

A pound will coat a pailful. Lb., 35c.; 5 lbs., \$1.40; 10 lbs., \$2.50; 25 lbs., \$5.75; 50 lbs., \$10.75; 100 lbs., \$20.00; 300 lbs., \$57.00.

In ordering Insecticide, etc., by Parcel Post, always include the right amount of postage. Look at Parcel Post table in back of book.

## A SUBSTITUTE FOR POWDERED HELLEBORE

Anticipating a shortage of Hellebore, we commenced experimenting two years ago on a substitute which we offer as **Sterlingworth He-Bo**, and which will be found satisfactory for use against Rose slugs, currant worms, cabbage worms, and many other leaf-eating insects where a milder poison than Paris Green or Arsenate of Lead is desired.

It is not intended as a spray but is for dusting on the vegetation to be protected. For many uses **Sterlingworth He-Bo** is superior to much of the Hellebore sold for killing insects.

Prices:  $\frac{1}{2}$ -lb. box, 15c., mailing weight 1 lb.; 1-lb. box, 25c., mailing weight 2 lbs.

**White Hellebore**—For rose slugs, currant worms, etc.  $\frac{1}{2}$  lb., 40c.; 1 lb., 75c.

**Grape Dust**—A powder preparation used for mildew, aphis, black fly, and other insects and fungous diseases, principally in greenhouses. 5 lbs., 50c.; 10 lbs., 90c.

**Stott's Fir Tree Oil Soap**—A non-poisonous insecticide for use on trees and plants of all kinds. Used on animals, it will cure mange and all skin diseases, and it is most effective for destroying fleas and other insects. One ounce makes one gallon.  $\frac{1}{2}$ -lb. can, 25c.; 2-lb. can, 75c.



## STERLINGWORTH CUT WORM KILLER

Is a coarse fibrous preparation for strewing near the plants to be protected. It has an enticing odor and the worms prefer it to vegetation. There is no guess work about it doing the "business." The dead cut worms "tell" the story.

Order **Sterlingworth Cut Worm Killer** when you buy your seeds and have it on hand ready for use at the right time. The cut worm does most of his damage in one or two nights and he will not wait for you. One pound is sufficient for 175 plants when in hills and 100 lineal feet when in rows.

Satisfaction Guaranteed or Money Refunded.

Prices: 1-lb. box, 25c., mailing weight 2 lbs.



## "ELECTRO"



## SPRAY CHEMICALS

ton, 60c.; 5-lb. kits, \$2.75; 10-lb. kits, \$5.00.

**Orchard Brand Arsenate of Lead Paste**—Is supplied where a paste form is desired. This material has all the chemical qualities of the Powder and is in the same physical condition, except that it is packed in paste form. 1-lb. jars, 35c.; 5-lb. pkg., \$1.25; 10-lb. pkg., \$2.25; 25-lb. pkg., \$5.25; 50-lb. pkg., \$10.00; 100-lb. pkg., \$19.00. Express or freight only.

**Orchard Brand Arsenate of Lead**—Powdered Form:  $\frac{1}{2}$ -lb. pkg., 30c.; 1-lb. pkg., 55c.; 5-lb. pkg., \$2.50; 10-lb. pkg., \$3.25. Express or freight only.

**Electro Bordo-Pulp, or Bordeaux Mixture**—Is a scientific compound of copper sulphate (blue vitrol) and high-grade lime for use as a fungicide only. It is not poisonous to insects.

This is Bordeaux Mixture (one of the oldest fungicides known) in a concentrated form. It has long been found satisfactory for the control of fungous diseases.

Because of the fact that we can carefully watch the crude materials as well as the process of manufacture, we can turn out a concentrated Bordeaux better than the grower at home who must utilize crude methods. 1-lb. jars, 40c. Prices on larger quantities furnished on application. Express or freight only.

**Orchard Brand Bordeaux Mixture**—1 lb., 30c.; 5 lbs., \$1.15; 10 lbs., \$2.00.

**Electro Bordo-Lead Mixture**—A great substitute for Pyrox. This is a combination of our 20% Electro Arsenate of Lead Paste and Electro Bordo-Pulp in proper proportions. Ten pounds of this in 50 gallons of water will be equivalent in arsenate of lead to approximately 5 lbs. of our 20% Arsenate of Lead Paste, and in Bordeaux to the 4-4-50 formula.

The remarks on Electro Bordo-Pulp are also true of the Bordo part of this mixture. Consequently, you will see that this is a very desirable spray material to use, giving a combined fungicide and insecticide ready for use, requiring only thinning down and addition to water. This mixture is especially adapted for a combined spray on potatoes, tomatoes, etc. 1-lb. jars, 40c. Special price in quantity. Express or freight only.

**Orchard Brand Bordeaux Lead**—1 lb., 30c.; 5 lbs., \$1.10; 10 lbs., \$2.00.

**Atomic Sulphur**—This is pure sulphur treated by a special process to convert it into a very finely divided state in the form of paste, so it can be readily diluted with water and applied as a spray to coat fruit and foliage with a thin film of sulphur to prevent germination of fungous spores.

It is recommended for the control of scab on peaches, brown rot on peaches, plums and cherries and cedar rust on apples. Directions: 5 to 7 pounds to 50 gallons of water. 1 lb., 25c.; 5 lbs., \$1.00; 10 lbs., \$1.75.

1bs., 45c.; 5 lbs., \$1.00; 10 lbs., \$1.75.

**Bordeaux Arsenite of Zinc (Paste)**—This is a combination of Bordeaux Mixture and Arsenite of Zinc. This combination makes a quick-acting poison for spraying where an insecticide is needed in combination with a fungicide. It is especially recommended for potato and tomato spraying. It is quick in action, very adhesive and will not burn the plant. Directions: 6 to 8 pounds to 50 gallons of water. 1 lb., 40c.; 5 lbs., \$1.50; 10 lbs., \$2.50.

**Electro Kerosene Emulsion**—This is for spraying plant lice, aphis, leaf hoppers, etc. It is readily soluble in water, and should be diluted for the various insects and fruit trees per directions on the label. 1-qt. cans, 50c.; 1-gal. cans, \$1.25; 5-gal. cans, \$3.50. Special price in quantity. Express or freight only.

**Electro Insecticide Soap**—Superior substitute for whale oil soap. Oil soap is especially valuable as a spray for lice and soft-bodied larvae. By our process we obtain an oil soap which does not contain free alkali. This is a very important item, as the presence of free alkali means severe injury to foliage and fruit. Unlike most so-called whale oil soaps on the market, this is not a by-product with us, but is especially prepared for the purpose for which it is required, and consequently much greater care is used in its manufacture. 1-lb. cans, 50c.; 5-lb. cans, \$1.75; 10-lb. kits, \$2.25. Special price in quantity.

In ordering Insecticide, etc., to be sent by Parcel Post always include the right amount of postage. Look at Parcel Post table in back of book.

## VREELAND'S MICRO

For Dusting Potatoes, Corn, Tomatoes, Etc.



Cabbage Worm

The control of chewing insects on ground crops by dusting is just as effective, more economical and often more convenient than by wet spraying. Vreeland's "MICRO" is a perfect dust-spray, combining with it such fungicidal properties that an extra fungicide spray is not necessary in many instances. 1-lb. cartons, 40c.; 5-lb. kits, \$1.75; 10-lb. kits, \$3.25. Special prices in quantity.

**Arsenate of Zinc**—This is a combination of arsenic with zinc to form a quick acting, adhesive insecticide for use on potatoes and some other truck crops. It is much more adhesive and less caustic than Paris Green and kills quicker than Arsenate of Lead thus possessing the desirable and eliminating the undesirable properties of both Paris Green and Arsenate of Lead. It should be used at the rate of 2 lbs. of the powder to each acre treated. Powder Form: 1 lb., 50c.; 5 lbs., \$2.25; 10 lbs., \$4.00.

**"Electro" Tree Wound Paint**—Is used for painting the wounds on trees after pruning or where canker has been cut out. It makes a perfectly smooth surface, impervious to water, and it is a splendid disinfectant. One application is all that is necessary. 1-qt. cans, 60c.; 1-gal. cans, \$1.50; 5-gal. cans, \$5.25. Special price in quantity.

In ordering goods to be sent by Parcel Post always include enough cash for the postage.

# Hawkeye Tree Protectors

Give dollars worth of protection at a fraction of a cent cost. Don't take a chance with your young trees. One rabbit will kill many in a single night. Protect yours with Hawkeye, the protector that protects, mice and other tree gnawers can't gnaw through—the protector that protects against cut worms and prevents trees becoming skinned or bruised by cultivator or lawn mower.

Hawkeye tree protectors are elm veneer chemically treated. They are easily applied to the trees and will last until the tree is beyond the need of protection.

The value of one tree is more than all the Hawkeye tree protectors you will cost you. Send us your order before some of your trees are killed—you'll regret it if you wait until too late.

Prices: 1,000, \$9.00; 100, \$1.25; 50, 75c.; 25c. doz. Parcel Post weight, 3 lbs.

The destroying army is coming. Don't wait until you see the vanguard. Band your trees with Tree Tanglefoot two weeks before the Gypsy, Browntail and Tussock Moth Caterpillars and Canker Worms, Climbing Cut Worms and Bag Worms begin their ravaging work. Easily and quickly applied. 1 lb., 50c. Mailing weight, 2 lbs. 3 lbs., \$1.45; mailing weight, 4 lbs.; 10 lbs., \$4.50; mailing weight, 12 lbs.

## SCALECIDE—THE TREE SAVER



Spray every bush, shrub, vine and tree in your yard in the spring, before they leaf out, with "SCALECIDE" diluted 1 part to 15 parts of water. It will clean them of scale, eggs and larvae of insects, and the spores of fungi, that you can reach while the trees are dormant, allowing them to leaf out in the Spring freed from all these parasites, and giving them a healthy start.

"SCALECIDE" is not disagreeable to handle; does not corrode or stop up your pumps; does not injure the most delicate skin (it can even be placed in the eyes without the slightest inconvenience or injury), and does not stain woodwork. It is not a Summer spray, but the Winter application has an invigorating effect on plant or tree growth.

One gallon of "SCALECIDE" will spray as many trees as 3 1/2 gallons of Lime-Sulphur Solution. Dilute for

all dormant spray work 1 part to 15 parts of water. 1 qt., 60c.; 1 gal., \$1.45; 5 gals., \$5.30; 10 gals., \$5.30; 30 gals., 1/2 bbl., \$25.50; 50 gals., bbl., \$38.25.

Last two f. o. b. factory, N. J.

## "SULFOCID"

This is a soluble sulphur compound, and when used as a paint will protect young trees from the attacks of rabbits and mice, and also from apple and peach borers. It is the best remedy known that is non-injurious. When dry, it is almost insoluble in hot or cold water. One or two applications last a year. Use 1 part water to 1 part Sulfoicide, or straight.

"SULFOCID" as a fungicide is invaluable in the garden for controlling most fungous diseases affecting vegetables when a poison is not needed. One gallon makes 200 to 300 gallons of spray.

Especially valuable for rust, mildew and red spiders on roses, hollyhocks, etc. 1 pt., 60c.; 1 qt., 90c.; 1 gal., \$2.25.

## LIME SULPHUR SOLUTION

For destroying San Jose Scale. This is a concentrated form which is diluted 1 gal. to 9 or 10 gals. water, stir thoroughly. May be used as a summer or winter spray, excellent to use as a fungicide. Qt., 45c.; gal., \$1.00; 5 gals., \$3.25; 10 gals., \$5.00; 1/2 bbls. @ 26c. gal.; bbl. lots @ 23c. gal. Express or freight only.

## Tree Tanglefoot

(Caterpillar Preventive)



Prices on Tanglefoot subject to change.

## STICKY TREE CORD

A soft cord about 1/8 of an inch in diameter, thoroughly saturated and coated with a black sticky material similar in character to that used on sticky fly paper.

Each tube contains approximately 30 feet of cord, sufficient to band about 10 trees one foot in diameter once around, or 10 trees six inches in diameter twice around. It is cheaper than fly paper and cheaper than sticky tree material. Price, 35c. A small clamp to catch hold of the cord is supplied free. Parcel Post weight, 2 lbs.

## B. T. S.

A Lime Sulphur Solution in powder form. Directions: For dormant spraying to control scale, etc., use 12 pounds to 50 gallons of water. For growing period spraying on apples to control scale, etc., use 1 1/2 to 2 pounds to 50 gallons of water. 5 lbs., \$1.25; 10 lbs., \$1.80; 25 lbs., \$3.00.

## ANT-I-CIDE—For Use Against Ants in Lawns



Ants are a persistent pest. It is impossible to harbor them and have a good lawn. Either give up the lawn or the ants. If you prefer the lawn, try Sterlingworth Ant-i-cide. It is a powder to be sprinkled on the ground. One pound covers about 200 square feet. Induce your neighbors to use Sterlingworth Ant-i-cide and thus help protect your premises from invasion. Guaranteed to give satisfaction or money refunded.

Prices: 1-lb. box, 25c.; mailing weight, 2 lbs.; 5 lbs., \$1.00; mailing weight, 6 lbs.

## M. & S. RELIABLE SPRAYING APPARATUS

### THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir; although we recommend that this be done; will give absolute satisfaction. Excellent for applying whitewash or cold water paint.

No. 1.—Equipped with a 5-gal. reservoir, 10-ft. of hose and 2 extension pipes, 1 straight spray nozzle, 1 mist nozzle; like illustration. Price, \$15.00.

No. 3.—Equipped with a 12-gal. tank mounted on a truck, three 2 1/2-ft. extension pipes, 2 nozzles and 10 feet of hose. \$21.00; without truck, \$18.00.

Extension Pipes, Etc.—For reaching into trees, all 3/8-inch threads.

Bamboo, with brass tube, 12 ft. and stop cock, \$4.80.

Bamboo, with brass tube, 10 ft. and stop cock, \$4.40.

Brass, for Auto Sprays, 2 ft., 70c.

Stop Cock, for extension pipes, \$1.00.

Spray Nozzles—One-Point Vermorel—All brass. Furnished with 5 extra steel discs which may be easily renewed. The steel is heavily galvanized and will not wear as fast as brass. 75c., postpaid.

## THE NON-CLOG ATOMIC NOZZLE

Is unequalled for perfect and even distribution of spray, fine mist-like effect, adaptability to various conditions, simplicity, accuracy of construction and lightness of weight. The nozzle is made either of cast bronze or aluminum, as required.

It has full threads turned on a turret lathe and not stamped from thin metal with spun threads. The nozzle may be adjusted to throw every graduation of spray, from a fine, wide bell shape to practically a solid stream throwing a distance of 20 feet. The adjustment is simply made. 1/4-inch thread. Non-Clog Junior, for small work, 80c.; Non-Clog Automatic Brass, \$1.50. Both sizes either straight or 45% angle, postpaid.

Bordeaux Nozzle—Throws a fan-shape, mist-like spray. Solid Brass. Price, 75c., postpaid.

Spray Hose, 1/2-inch, best made, all rubber, 18c. per foot.

3/4-inch clamps for same, 5c. each; 50c. dozen.

Mrs. H. G. Pearson, of High Falls, Ulster County, N. Y., sent us a pleasing testimonial. "The bulbs which I bought of you last Fall were wonderful. They were the delight of our whole neighborhood and turned out beyond our fondest expectation. Be sure and send me your next catalogue for I certainly want to keep on buying from you."

## PERFECTION SPRAYER

Very similar to the well known Auto-spray, but has a much more simple locking device. We furnish this pump in galvanized iron, with the automatic shut-off nozzle. Mailing weight, 15 lbs. Price, \$7.50.

**The Utility Sprayer.**—Very much like the Perfection. Made of brass. Mailing weight, 15 lbs. Price, \$10.00.

## THE AUTO SPRAY

It operates with compressed air; safe and efficient; liquid capacity four gallons; pressure capacity, 40 pounds.

The Auto-Spray must please, and will accomplish all that any first-class sprayer will, or the purchase price will be refunded. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best, as corrosive solutions can be used in it without injuring the same, and the extra cost over the galvanized will prove a good investment.

**No. 1-A Brass**—Equipped with hose and regular nozzle. \$11.50. Weight on all four styles, 15 lbs.

**No. 1-B Brass**—Equipped with hose and Auto-Pop Attachment. \$12.00.

**No. 1-C Galvanized Iron**—Equipped with hose and regular nozzle. \$7.50.

**No. 1-D Galvanized Iron**—Equipped with hose and Auto-Pop. \$8.00.

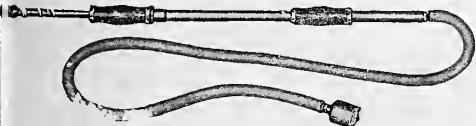
**Auto-Pop Nozzle Attachment**—Controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately, \$2.00 each. With hose attached, \$2.50.

## COPPER STRAINER

For straining white-wash spraying material, etc., \$1.50 each.

Parcel Post weight, 1 lb.

## AUTO SPRAY No. 5



For trees, vines, garden truck, potatoes and any field crops, and for handling whitewash and disinfectants. It is made entirely of brass, doing away with all danger of corrosion. The Auto-spray No. 5 excels all other pumps in durability and simplicity, because it is double acting it will do the same spraying that other pumps do, with half the labor. Parcel Post weight, 5 lbs. Price, \$5.50.

## AUTO SPRAY No. 25 CONTINUOUS SPRAYER

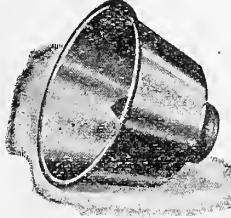
Made in two sizes, one quart and one-half gallon capacity. Will handle all solutions, insecticides and disinfectants. May be used for all plant life, in the greenhouse, kitchen, garden, rose bushes and in the poultry house. The one-half gallon size is ideal for the florist or for field work where there is not a great area to cover. Both sizes are identical in construction with the exception only of the size of the reservoir.

**Two Spray Caps**—One straight, the other at an angle for reaching under beds of leaves. Will operate at any angle and will not tip over when filling.

**Screw Caps Reinforced**—With thumb levers easy to turn.

Auto-Spray, No. 25B	One qt., galvanized tank	\$1.25
Auto-Spray, No. 25C	One qt., brass tank	1.50
Auto-Spray, No. 25D	1/2-gallon, galvanized tank	1.50
Auto-Spray, No. 25E	1/2-gallon, brass tank	2.00

(Parcel Post weight of all sizes, 3 lbs.).



This pump is the ideal all-purpose hand-sprayer. Its field is practically unlimited as it may be used for spraying

for spraying

and disinfectants.

It is made entirely

of brass, doing away with all danger of corrosion.

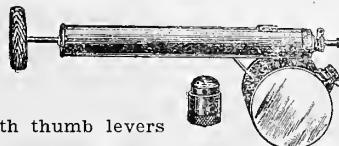
The Auto-spray No. 5 excels all other pumps in durability and simplicity.

because it is double acting it will do the same spraying that

other pumps do, with half the labor.

Parcel Post weight, 5 lbs.

Price, \$5.50.



**Tin Sprayer, No. 22-A**—Heavy material, copper siphon tube, pump cylinder extra large, 2-in. diameter. Price, 75c. Parcel Post weight, 3 lbs.



Perfection Sprayer



**The "King" Barrel Spray Pump**—This pump has self-oiling plunger and is constructed so that the packing may be tightened without taking the plunger out of the cylinder. No leather or rubbers used in the pumps; the packing is specially prepared and will withstand the action of spraying chemicals longer

than any other material and can be replaced in a few minutes at a nominal cost. Dimensions 1 1/4-in. cylinder, 2-in. air chamber and fastens to chime of barrel. Equipped 12 ft. of hose, 8 ft. extension pipe, nozzle agitator, etc. Price, \$12.50.

**"Modoc" Bucket Pump**—This pump is all brass except the foot piece and handle. The foot piece holds the pump firmly in the bucket or pail in just the proper position for work. The pump is equipped with 3 feet 1/2-in. spray hose attached with clamps. Price, \$4.50. Parcel Post weight, 9 lbs.

## THE BIDWELL

## AIR SPRAYER

The heavy steel tank has a capacity of 5 gallons; the pressure capacity is 45 lbs. Unlike most other sprayers which have to be pumped several times to empty their reservoir, this one will empty the contents with one charge; the pump is independent of the tank and every part can be gotten at. Every piece is brass and copper except the tank hose and washers. The liquid is pumped into the reservoir through the same hose which takes in the air; equipped with a practical air pressure gauge. Fitted with a famous Winkle-Mist nozzle. \$10.00.

**Heavy Brass Syringes**—Made of heavy sheet brass, which will last many years.

**No. 101**—Stream and spray rose, 12-in., 1-in. cylinder. \$2.00. Parcel Post weight, 2 lbs.

**No. 103**—Stream and spray rose, 16-in., 1 1/2-in. cylinder, weight, 3 lbs. \$5.00.

**Rubber Plant Sprinklers**—They can be used for sprinkling plants, cut flowers, etc., also for damping clothes and carpets, and for disinfecting purposes.

**No. 1**—8-oz. straight neck, \$1.25; Fig. 2, angle neck, \$1.25. Parcel Post weight, 1 lb.

**No. 2**—4-oz. straight neck, Fig. 3, \$1.00; angle neck, \$1.00. Parcel Post weight, 1 lb.

**Champion Powder Gun**—This machine will distribute dry insecticides, covering

one or two rows at one time; will save its price in material used in one season.



Fig. 2  
Fig. 3

This machine keeps the poison at a safe distance from the operator.

Dust potato vines as fast as you walk, two rows at a time. Each machine is furnished with two tubes, five nozzles and strap. Anyone can use it. Weighs, cased for shipping, 17 pounds. Price, \$12.00.

**Micro Hand Duster**—Very practical; will handle Slug Shot, Sulphur and other insect powders besides Micro. Capacity, about 1 qt. Parcel post weight, 3 lbs. Price, \$2.50.

**Acme Powder Bellows**—Strong and serviceable, for Paris Green and other preparations. Parcel post weight, 3 lbs. Price, \$1.25.



**Little Giant Powder Duster**—This Duster is somewhat like the Champion Duster, except it is lighter and has a smaller capacity. It is nicely made and very strong. Our Special Price, \$9.00. Weight, 12 lbs.

## LAWN SPRINKLERS

**Ring Fountain Sprinkler**—All brass. Price, 90c. Parcel Post weight, 1 lb.

**Lawn Shower Sprayer**—No. 3. Fig. 5. An even gentle spray is thrown over 25 ft. in diameter at a water pressure of 40 lbs.

The nozzle may be connected to hose for washing sidewalks. Used in concrete mixing and general fire protection. It makes an attractive fountain display. Holder and nozzle complete ( $\frac{3}{4}$ -inch connection), \$2.00. Parcel Post weight, 4 lbs.

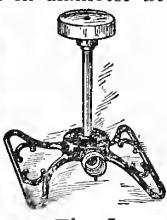


Fig. 5

**"M. & S." Lawn Shower Sprinkler**—Fig. 6. A most complete lawn sprinkler, which will throw an even shower spray for a radius of 20 ft. Price, 40c. each. Parcel Post weight, 2 lbs.

**No. 955—Three-Arm Sprinkler**—Can be operated with moderate pressure, covers wide area, and distributes water evenly. Revolving arms throw water in a fine spray into the air, and the motion produces a fine mist. Height, 1 foot. Nickel plated and nicely finished. \$1.50. Weight, 4 lbs.

**No. 965—Three-Arm and Shower Sprinkler**—Nickel plated; very substantial. \$2.00. Weight, 5 lbs.

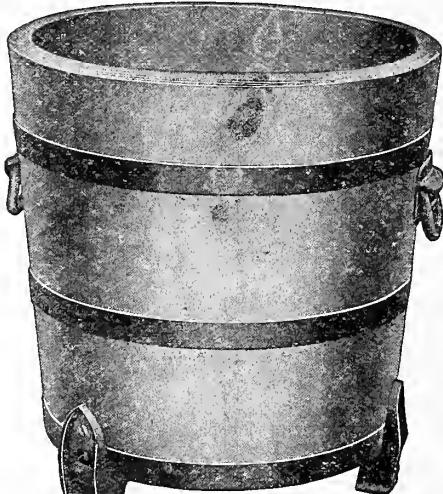
**No. 966—Three-Arm and Shower Sprinkler**—Same as above, but 30 inches high. \$3.00. Weight, 7 lbs.

Fig. 6

## FLOWER POTS, TUBS, STAKES, ETC.

### N. Y. STYLE CEDAR TUBS

The New York style tree tubs are made of seasoned selected Virginia white cedar, and are trimmed with specially designed metal feet, extra-heavy flat steel hoops and liberal-size metal handles. These tubs are painted with the best oil paints—a handsome green on the outside and dark gray inside. Hoops, handles and feet trimmed in jet black.



New York Style

Size	Top Diameter Inches	Bottom Diameter Inches	Depth Finished Inches	Price Each	Weight Each Pounds
No. 1	12	9 $\frac{3}{4}$	10 $\frac{5}{8}$	\$2.25	9
No. 2	13	10 $\frac{1}{4}$	12 $\frac{3}{4}$	2.90	13
No. 3	14 $\frac{1}{2}$	12 $\frac{7}{16}$	14 $\frac{3}{4}$	3.60	15
No. 3 $\frac{1}{2}$	16 $\frac{1}{2}$	14 $\frac{1}{2}$	15 $\frac{3}{4}$	4.75	18
No. 4	19 $\frac{7}{16}$	17 $\frac{1}{4}$	16 $\frac{5}{8}$	5.25	21
No. 5	22 $\frac{7}{16}$	20 $\frac{1}{4}$	18 $\frac{1}{2}$	6.50	26

The Richmond style tree tubs are made of seasoned, selected Virginia white cedar, are bound with electric-welded wire hoops, **galvanized**, three hoops to each. The Richmond style fills a long-felt want for a cheap type of plant tub and is being used by many large florists in the place of earthen pots. These plant tubs are nicely painted with the best oil paints—a handsome green color inside and out. The tops of the staves are slightly beveled, which gives them a neat, trim finish. Has no feet or handles.

Size	Inside Top Diameter Inches	Inside Bottom Diameter Inches	Inside Depth Inches	Price Each	Weight Each Pounds
No. 5	10	7 $\frac{1}{2}$	9	\$1.00	3
No. 7	12	9	11	1.25	4 $\frac{1}{2}$
No. 9	14	11	13	1.80	7
No. 11	16	12 $\frac{1}{2}$	15	2.10	9

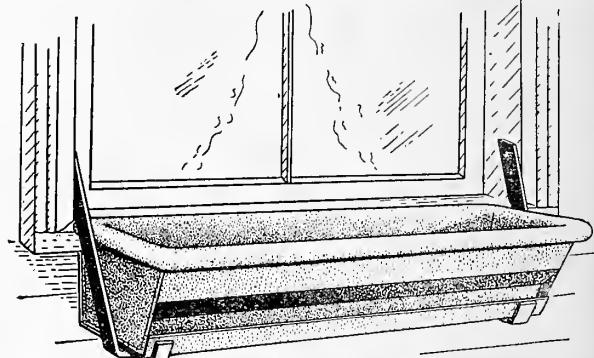
## M. & S. SUCCESS SELF-WATERING WINDOW BOXES

The Success Plant Box is made of strong galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect.

The Success Box is made with a water pocket on one side at the bottom. This pocket runs the full length of the box. Leading from it, into the box itself, are openings to convey the water to the soil. To prevent these openings from clogging up, a roof-shaped piece of metal extends from the pocket openings to the center of the box, at the bottom.

The pocket is simply filled with water and the soil takes it up. Or, water is poured in the usual way on the top of soil and the pocket takes care of the surplus. The water outlet also forms an air inlet, conveying the air to the center of the soil, where it distributes to every part.

Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as, unless excessively over-watered, there is no drip. No staining of plant or disfiguring in any way.



Window Box Equipped with Extension Bracket for Setting on Sill

The top edges have an attractive rolled finish. They are made in a number of lengths to suit different places and purposes, and may be equipped with brackets for securely fastening them to window sills or hanging below them, also to porch rails.

Width, Inches	Depth, Inches	Weight, Pounds	Each
24	8 $\frac{1}{2}$	6 $\frac{1}{4}$	\$1.50
30	8 $\frac{1}{2}$	6 $\frac{1}{4}$	1.75
36	8 $\frac{1}{2}$	6 $\frac{1}{4}$	2.50
40	8 $\frac{1}{2}$	6 $\frac{1}{4}$	3.00
12	12	8 $\frac{1}{4}$	2.00

## Brackets for Window Boxes

Per Pair	Pounds
\$0.80	3
1.00	3
.50	1

## THE KIRKE AUTOMATIC LAWN AND GARDEN FEEDER

Also Insect and Blight Abolisher. Merely slip a cartridge for either purpose in the container, attach to the hose and water as usual.

This Kirke System of liquefying and applying in mild solution cartridges of concentrated fertilizers, insecticides or fungicide, through the hose while watering the garden and lawn, is a simple, practical and most efficient method. The Container is a nickel-plated durable brass affair, about 6 inches long by  $2\frac{1}{2}$  inches in diameter with strainer in the outlet end; the top unscrews for the insertion of cartridges. It is fitted to couple to any  $\frac{3}{4}$ -inch garden hose, either at the faucet or nozzle end. The cartridges—clean and odorless—have been compounded by an expert agricultural chemist and contain in concentrated slowly soluble form the various ingredients—strictly high grade and scientifically blended for the purposes designed, so that when the hose is turned on the cartridge gradually dissolves and impregnates the outflowing water with the proper proportion of plant food, insect destroyer or fungus remedy. Any cartridge (excepting the Bordeaux) may be quickly removed and replaced from time to time as required—until worn away. A cartridge lasts from 6 to 12 hours continuous watering or spraying, according to the pressure turned on at the faucet. Listed below.



Feeding the Flowers and Lawn

(Continued on Next Page)

## PRICES ON KIRKE SYSTEM CARTRIDGES:

	Each	Half Doz.	Dozen	Mail Weight Each	Half Doz.	Dozen
Kirke Feeder (Cartridge Container).....	\$3.00			2 lb.		
Kirke Fertilizer Cartridge .....	.35	\$2.00	\$3.60	1 lb.	3 1/2 lb.	7 lb.
Kirke "Tobacco" Nicotine Insecticide Cartridge.....	.45	2.35	4.50	1 lb.	3 lb.	6 lb.
Kirke Arsenate of Lead Cartridge.....	.60	3.50	6.50	1 lb.	3 3/4 lb.	7 1/2 lb.
Kirke Bordeaux Cartridge (Fungicide).....	.35	2.00	3.60	1 lb.	2 1/2 lb.	5 lb.
Kirke Angle Worm Destroyer Cartridges.....	1.50	8.00	15.00	1 lb.	3 1/2 lb.	7 lb.
Kirke Fly Maggots Destroyer Cartridges (Disinfectant Germicide).....	.38	2.15	4.00	1 lb.	2 1/2 lb.	5 lb.
Kirke Sulphur Compound Cartridges.....	.35	2.00	3.60	1 lb.	3 1/4 lb.	6 1/2 lb.
Kirke Salt Cartridges.....	.15	.85	1.50	1 lb.	3 lb.	6 lb.
Kirke Sprinkling Can Plant Food Per Box of 12 Tablets.....	.38	2.15	4.00	1 lb.	4 lb.	8 lb.

## M. &amp; S. SUCCESS SELF-WATERING PLANT TUB OR HANGING POT

This Galvanized Steel Plant Tub is specially adapted for ferns, lums, hydrangea or any large plant. Can be used indoors or outdoors; water can be freely used without danger of damaging doors or woodwork on which box is set. It gives proper drainage and free ventilation at bottom and plants will grow much better than in ordinary pot or tub.

Length, 12 inches; width, 12 inches; depth, 8 1/4 inches. Price. \$1.00 each. Weight, 5 lbs.

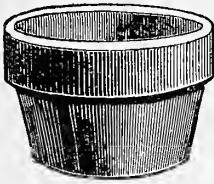
## EARTHENWARE FLOWER POTS

Sent by Express and Freight Only

	Each	Dozen
2 in.....	\$0.02	\$0.15
3 in.....	.03	.25
4 in.....	.04	.35
5 in.....	.06	.55
6 in.....	.09	.80
7 in.....	.13	1.25
8 in.....	.16	1.85
9 in.....	.25	...
10 in.....	.35	...
11 in.....	.55	...
12 in.....	.75	...
14 in.....	1.50	...
16 in.....	2.50	...

## Earthen Bulb Pans

	Each	Dozen
1 in.....	\$0.12	\$1.25
2 in.....	.15	1.65
3 in.....	.20	2.25
4 in.....	.30	3.00
5 in.....	.50	5.00



## EARTHENWARE SAUCERS.

	Each	Dozen	Each	
1 in.....	\$0.03*	\$0.30	9 in.....	\$0.12
2 in.....	.05	.50	10 in.....	.15
3 in.....	.06	.60	12 in.....	.20
4 in.....	.07	.75	14 in.....	.35
5 in.....	.08	.85	16 in.....	.75

# NEPONSET

## WATERPROOF PAPER FLOWER POTS

	Doz.	100	1000
1 in.....	\$0.10	\$0.45	\$3.25
2 in.....	.15	.65	5.75
3 in.....	.20	.85	7.75
4 in.....	.25	1.25	...
5 in.....	.30	1.75	...
6 in.....	.40	2.25	...



## PAPER FLOWER POTS.

Extensively used for starting seeds and seedlings in frames and hot-houses.

## PAINTED TREE LABELS.

Mark with lead pencil. Weather will not wash off. in., copper wired, per 100, Parcel Post weight, 4 lbs.....\$1.75 30c. 100.

I have bought flower seeds from you which were planted in the grounds of the Aged Women and Aged Men's Home, and they so well that I have to tell you about it.

Yours truly,

MRS. M. C. BAINBRIDGE,  
1320 Bolton St., Baltimore, Md.

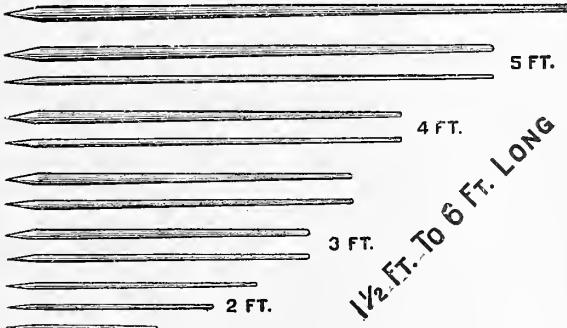
## PAINTED POT LABELS.

	100	500	1000	P. P. W. per 1000
4 in.....	1/2 lb.	\$0.25	\$0.75	1.25
5 in.....	1/2 lb.	.30	.90	1.50
6 in.....	3/4 lb.	.35	1.25	2.00
12 in.....	3 lb.	1.00		

## BAMBOO PLANT STAKES.

	Dozen	100	1000
2 ft., painted green .....		\$0.20	\$0.90
3 ft., painted green .....		.25	1.25
4 ft., painted green .....		.30	1.75
5 ft., painted green .....		.35	2.00
6 ft., not painted .....		.30	1.50
10 ft., not painted .....		.60	3.50

## GREEN PAINTED PLANT STAKES.



## Parcel Post Weight Per Dozen, 3 ft., 3 lb., 5 lb.

	3 ft., Heavy or Dahlia	Each	\$0.08	Per Doz.	\$0.90	Per 100	\$7.00
4 ft., Heavy or Dahlia	Each	.12	Per Doz.	1.30	Per 100	9.70	
5 ft., Heavy or Dahlia	Each	.15	Per Doz.	1.65	Per 100	12.20	
6 ft., Heavy or Dahlia	Each	.18	Per Doz.	2.00	Per 100	14.80	

## LIGHT PLANT STAKES

	1 1/2 ft., Light.....	Each	\$0.02	Per Doz.	\$0.20	Per 100	\$1.20
2 ft., Light.....	Each	.04	Per Doz.	.35	Per 100	2.30	
2 1/2 ft., Light.....	Each	.06	Per Doz.	.60	Per 100	3.50	
3 ft., Light.....	Each	.07	Per Doz.	.75	Per 100	4.75	

## HYACINTH STAKES

Used for staking hyacinths, tulips and slender plants; dyed green.

	P. P. Weight Per 100	Doz.	100
8 in.....		2 lb.	\$0.05
12 in.....		2 lb.	.05
18 in.....		2 lb.	.08

Special prices to Florists in 1,000 lots.

## INDURATED FIBRE WARE

A light, strong material, impervious to moisture, moulded into one piece, seamless and rust-proof. Finished in a rich mahogany color.

ROLLING STAND  
SAUCER RAISED TO SHOW CROSS PIECES

## FIBRE-WARE ROLLING STAND

Fibre-ware rolling stands are mounted upon ball-bearing casters and furnish an easy and ready means of moving heavy plants in permanent or temporary locations. Sold complete with saucers.

Outside Diameter	Will take tub diameter at bottom	P. P. Weight	Price Each
12 inches	10 inches	2 lbs.	\$1.25
14 inches	12 inches	3 lbs.	1.75
16 inches	13 inches	4 lbs.	2.25
18 inches	15 inches	4 lbs.	2.50
20 inches	17 inches	8 lbs.	2.75
22 inches	20 inches	10 lbs.	3.25

## GARDEN TOOLS, SHOVELS, RAKES, ETC.

### KEEN CUTTER

Round Point Long Handle Shovels—\$2.50.

Square Point D Handle Shovels—No. 2, \$2.50; larger, No. 4, \$2.60.

Fig. 1.

D Handle Spade—\$2.50.

Long Handle Spade—\$2.50.

D Handle Nursery Spade—Double straps entire length of handle, \$3.75.

Ditching Spade—20-inch blade, D handle, \$3.00.

“KEEN CUTTER” FORKS.

4-tined Hay and Manure—Long handle, \$1.65. Fig. 2.

4-tined Manure—D handle, \$1.75.

Fig. 3.

4-tined Spading Fork—D handle, \$1.90.

“KEEN CUTTER” HOES.

“Keen Kutter” Hoes—Fig. 4. Crucible steel, 6, 7 and 8-in., \$1.15; 1-pronged, weeding hoe, 70c.; 2-pronged, 85c.; 3-pronged, 85c.; 5-pronged, 85c.

“Keen Kutter” Cultivator Hoes—Fig. 5. \$1.25.



Fig. 1.



Fig. 2.



Fig. 9.

“Keen Kutter” Pick—Fig. 9. Price, \$1.75; with handle, \$2.15.

“Keen Kutter” Mattock—Price, \$2.15; with handle, \$2.50. From 2½ to 4 in. wide.

Grub Hoe, or Mattock—Price, \$1.25; with handle, \$1.50.

Mattock and Pick Handles—Price, 40c.

English Scuffle Hoe—6 in., 80c. No handle. Handle, 20c. extra.



Fig. 3.



Fig. 4.



Fig. 6.

“Keen Kutter” Scythes—Fig. 10. 32 and 34 inches long. Price, \$2.00.

Weed Scythes—28 inches long. Price, \$2.25.

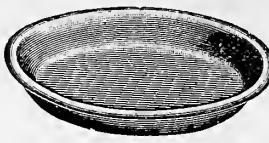
Snathes—Light and heavy. Price, \$1.65.

American Talacre Stones—25c. each.

Whetstones—Carborundum, 35c.



Fig. 8.



## FIBRE FLOWER POT SAUCERS

Cleaner and more durable than

	Pottery	Each	Dozen
5 in.	1/4 lb.	\$0.30	\$3.50
6 in.	1/4 lb.	.35	4.00
7 in.	1/2 lb.	.39	4.50
8 in.	1/2 lb.	.42	4.75
9 in.	3/4 lb.	.45	5.00
10 in.	3/4 lb.	.48	5.50
12 in.	1 1/4 lb.	.52	6.00
14 in.	1 1/2 lb.	.70	7.25
16 in.	2 lb.	1.25	14.00
18 in.	2 1/2 lb.	1.50	
20 in.	4 lb.	2.00	

Mr. Harry Busick, of Towson, Md., says: Gentlemen: I planted two bushels of Irish Cobbler Potatoes purchased from your house and am delighted to tell you I harvested 30 bushels of fine large tubers out of the patch.



Warren Patent Hoe—Heart shaped. See illustration, Fig. 8. \$1.00 each.

Mattock Hoe—Fig. 9. 75c each.

Special Price to Florists and Gardeners.

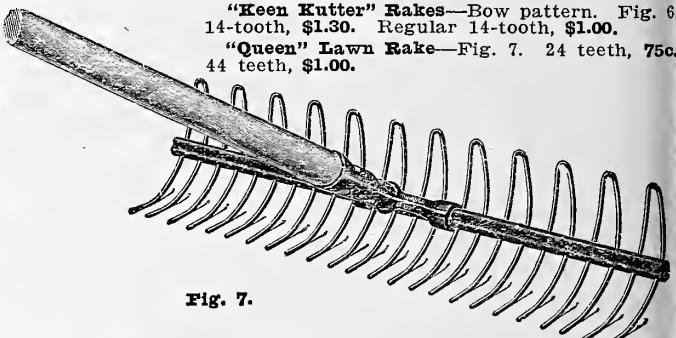


Fig. 7.



Fig. 8.

“Ole Olsen” Lawn Rake—All wood, 75c. 26 teeth, hickory wood.

Wood Leaf Rake—Reinforced with 3 heavy wire bows, has 24 teeth. Price, 75c.

“Keen Kutter” Ladies’ and Children’s Garden Tool Set—Fig. 8. Consisting of rake, shovel, hoe and spading fork. Made of first-class material. Not toys, but tools that will do and stand the work. Price, \$2.75. Single tools: Shovel, 80c., Rake, 45c., Hoe, 75c. Spading Fork, \$1.00. Illustrated on next page

Potato Hook, or 4-pronged Hoe—Price, \$1.25

“Keen Kutter” Turf, or Lawn Edger—For edging walks. Price, \$1.25. Fig. 11.

English Turf Edger—Price, \$1.25 without handle. Handle, 20c. extra.



Fig. 10.

“Keen Kutter” Scythes—Fig. 10. 32 and 34 inches long. Price, \$2.00.

Weed Scythes—28 inches long. Price, \$2.25.

Snathes—Light and heavy. Price, \$1.65.

American Talacre Stones—25c. each.

Whetstones—Carborundum, 35c.

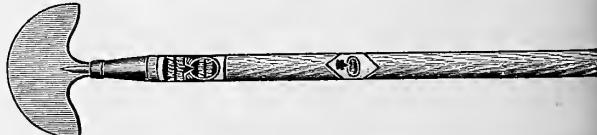


Fig. 11.

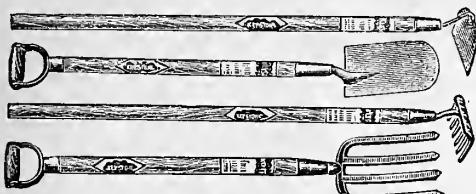


Fig. 8  
For price see page 44.



Fig. 13.

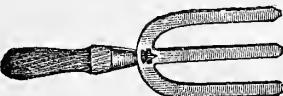


Fig. 12.

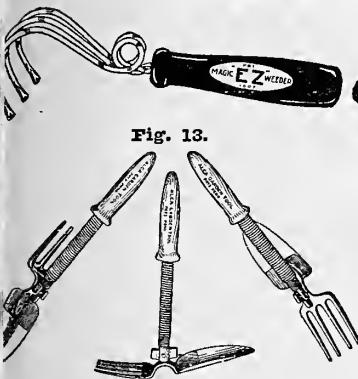


Fig. 11.



Fig. 15.

**Excelsior Weeder**—Five teeth. Fig. 15. Price, 15c. Weight, b.

**Keen Kutter** Garden Fork—Fig. 12. All steel, \$1.25; good

el. fork, 35c. Weight of either 2 lbs.

**Magic "EZ" Weeder**—Fig. 13. Light in weight, strong in construction; excellent tool; in great favor; best for the price. Free time. Best quality, No. 8  $\frac{1}{2}$  steel wire. Nicely tinned. Length, 9-in.; weight, 4  $\frac{1}{2}$  oz. Black enameled handle. Price, 25c.; weight, 1 lb.; large size, 35c.; weight, 2 lbs.

**The "Alca" Garden Tool Combination**—Can be used as a weed-fork, transplanting trowel, hoe, rake, or dibble. Is very handy around small garden. Price, 75c. Weight, 3 lbs. Fig. 11.



Fig. 17.



Fig. 16.

**Dibbles, or Planting Pegs**—Bent wood handle. 50c. Weight, lb. Fig. 17.

**Oak Leaf Eureka Weeder**—Fig. 16. Parcel Post weight, 2 lbs. Price, 40c.

**Unique Garden Tool Set**—Consisting of trowel, rake, hoe, edger & sickle, just the thing for ladies and children. Price, 50c. Parcel Post weight, 2 lbs. Large set has no sickle. Parcel Post weight, 4 lbs. Price, \$1.00.



Fig. 18.

**Keen Kutter Dock Cutter and Weeder**—Fig. 18. Price, 85c.

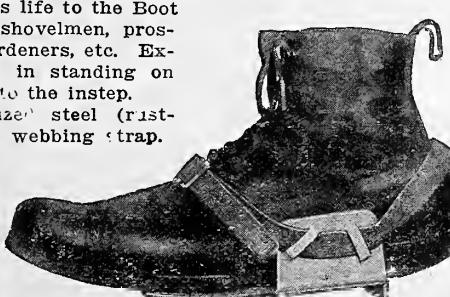
**Dandelion** Spuds—A practical weeder; long handle. Price, 25c.

**Passime Weeder**—Price, 25c. Weight, 1 lb. Long handle.

## "UNION" BOOT PROTECTOR

Used in Excavating, trench and railroad work. Adds life to the Boot Shoe. Used by shovermen, prospectors, farmers, gardeners, etc. Excellent for painters in standing on ladders. Big relief to the instep. Made of shers; size steel (rust-proof). Fitted with webbing & trap. Lightens the work and prevents sore feet.

Price, 60c. pair. Parcel Post weight, 1 lb.



## "PULL EASY" DANDELION WEEDE

With this wonderful new puller, all the user has to do is to slip the blade into the ground beside the weed, squeeze the handle—and pull the weed out—roots and all. Releasing the grip on the handle drops the weed into the basket.

It should be used early in the Summer when the ground is soft, and not only dandelions but burdock and any other obnoxious weeds can be quickly and easily exterminated.

A child can operate this lawn tool and will stick by the job until finished, because of its novelty. Absolutely will not dig holes in the lawn.

**PRICE**, 50c. each.

Parcel Post weight, 2 lbs.

## THE NEW WEED KILLER "ERADO"

"Erado" does away with the old-fashioned, laborious and back-breaking method of digging up dandelions and weeds of all kinds by hand. It is filled with a weed-killing solution, an amount of the solution is dropped on the root; then by turning the tool the top of the plant is cut off. It is a simple matter to refill.



Solution to be used.

For killing dandelions and most ordinary weeds, gasoline or salt solution can be used to advantage. One pound of salt should be used to one quart of water.

For killing pig-weed and quack-grass, use a solution of iron sulphate.

Try "Erado." It is guaranteed. If it is not entirely satisfactory, you can return this implement for the full purchase price, \$1.25. Parcel Post weight, 2 lbs.

**Cleveland Weed Puller**—Fig. 17. Valuable for extracting weeds from the lawn. A great back saver. The curved edge of the blade enters and loosens the soil; pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull will dislodge it without disturbing the surrounding sod. Price, 85c. Weight, 4 lbs. Fig. 19.

### "Keen Kutter"

Trowel — 40c.  
14. The best.  
\$1.25.

Weight, 2 lbs.

A-1-steel

One-piece  
Trowel — 25c.  
and 50c.

Weight, 1 lb.



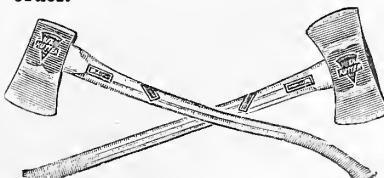
Fig. 14.

**Transplanting Trowel**—6-in., 25c.; 8-in., 30c. Weight of either 2 lbs.



**Hoe Trowel**—For setting out plants. Price, 40. Weight, 2 lbs.

**Watering Cans**—Made of heavy galvanized iron, removable rose. 4-qt., 85c.; 6-qt., \$1.00; 8-qt., \$1.25; 10-qt., \$1.40; 12-qt., \$1.65; 16-qt., \$2.50. Long Spout Watering Cans made to order.



**Keen Kutter Ax**—Guaranteed article, \$2.50.

**Hatchet**—Beatty's Hatchets, Half Pattern and No. 2 Shingling, best quality. Each, \$1.50.



Fig. 19.



Fig. 19.



**Mehler's Edger**—Fig. 19. The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be resharpened readily when dull. Price, \$1.25 each.

**Mehler Gardener**—Fig. 17. An entirely distinct tool; avoids bending the back, works closer to the plant than any other device. No hoe is needed where this is used; just the thing for working among flower and vegetable plants.

PRICE, \$1.25 each.



Fig. 17.



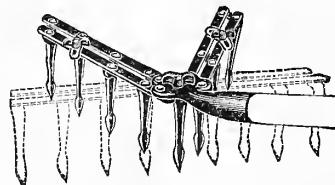
Fig. 18.

**Mehler Hoe**—Fig. 18. Combination hoe, cultivator and soil pulverizer combined. Just the thing for celery culture. Price, \$1.25.

### "PULL-EASY" HAND CULTIVATORS

Everyone who has worked in a garden will see at a glance the advantages of the "PULL-EASY" over any other kind of a garden tool. When the arms are spread out to full width of 18 inches the cultivator is like a rake.

For narrower rows the outer ends of the arms can be closed to any width down to 7 inches.



The shape of the teeth and the way in which they are attached to the steel side bars makes the cultivator entirely different from any ordinary rake because the teeth penetrate the ground, stir it up and pulverize it thoroughly without the operator being obliged to exert any downward pressure on the handle.

The width of the cultivator is adjusted by simply loosening the two wing nuts, moving the bars and tightening them again.

The middle tooth can be instantly removed permitting narrow rows of small plants to be cultivated two at a time.

**"Pull-Easy"**—Nine teeth. Regular size. \$1.50. Parcel Post weight, 4 lbs.

**"Pull-Easy, Jr."**—Four teeth. 4-rt. handle. 75c. Parcel Post weight, 2 lbs.

**"Pull-Easy, Jr."**—Four teeth. 10-ft. handle. 60c. Parcel Post weight, 2 lbs.

**"Pull-Easy" Wheel Hoe Attachment**—25c. P. P. weight, 1 lb.

There are millions of wheel cultivators—**Planet, Jr., Iron Age, Standard**, and many others in daily use during the gardening season. Each may be equipped with our **Pull-Easy Adjustable Cultivator** in an instant by attaching with the above attachment.

Truck gardeners, farmers, and florists will appreciate this new **Pull-Easy** feature, thus enabling them to perfectly cultivate long rows in one operation.

### THE "PULL-EASY" ROCKER HOE

The two-edged, keen blade of this hoe cuts on both the forward and backward motion. The socket casting has side stops which limit the oscillating movement of the blade keeping it at the right angle under the surface to cut properly.

The hoe proper is not lifted from under the ground—but tilts forward or backward automatically as the direction of the stroke changes.

It would not be an exaggeration to say that a gardener using this **PULL-EASY Rocker Hoe** can do the work of two of the persons relying only on old-fashioned hand implements. Parcel Post weight, 2 lbs. Price, \$1.00.



### NORCROSS CULTIVATORS AND WEEDERS

These are the most modern tools for gardens and flowers. They are light and strong and cultivate closer to plants without injuring them than other kind of implement leaving the soil level, loose and untrampled.

Cost but little more than the common hoe—accomplish much more and better work with less labor. They cultivate the soil.

The "Norcross" line is of the highest quality and finish throughout.

Three sizes and prices: 5-pronged, 4 ft. hdl. \$1.25 3-pronged, 4 ft. hdl. .75 "Midget" 9 in. hdl. .40 Weight, 3 lbs, 2 lbs, 12 oz. Detachable Steel Prongs. Malleable Head. Extra High-Grade Handles.



### PRUNING SHEARS, SAWS, KNIVES, ETC.

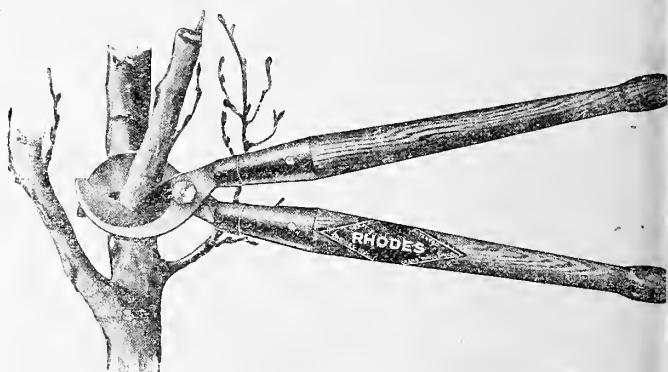


Fig. 1.

**Rhodes Double-Cut Lopping Shears**—Fig. 1. For trimming trees, bushes, heavy shrubbery, etc. Makes an absolutely clean perfect cut; the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating lopping shears ever made or sold; 24-in. handle. Price, \$3.50. Parcel Post weight, 5 lbs.

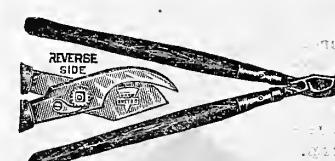


Fig. 2.

**"Keen Kutter" Pruning Shears**—Fig. 2. Curved blade and hook. Forged from highest grade crucible steel; polished and tempered; ratcheting knot; extra heavy and long steel ferrules; handles riveted through ferrule and tang; hardwood handles natural finish; 20-in. handle \$2.50; 24-in. handled, \$2.75.

Owing to the unsettled condition and the scarcity of raw material the prices on all iron and steel goods are subject to change without notice.

**Lawn Shears**—wo wheels, 9-in. lade, for cutting on arrow borders, under fences and shrubs. Price, \$6.00. Fig. 25.

**Border Shears**—in., \$5.00.

**Hand Pruning Shears**, R-65—Fig. 2. in. full polished pruner, \$1.60.

**No. 50**—Fig. 3. A good pruner, 85c. **No. 4**—6-in. Ladies' pruner, full polished, \$1.35. Fig. 6. Parcel Post weight on all and pruners, 2 lbs. Figs. 1



2 3 4 5 6

**Solid Steel Imported Hedge Shears**—Fig. 1. The celebrated english shears. 12-in., \$4.00; 10-in., \$2.75; 9-in., \$2.50; 8-in., \$2.00. All equipped with notch; the notch is very useful in heavy trimming or lopping. Parcel Post weight on all hedge shears 3 lbs.



**Ladies' Hedge Shears**—5 1/2-in. Parcel Post cut. Price, \$2.00. weight, 2 lbs.

**Grape and Flower Shears**—Fig. 7. Very useful. Price, 50c. each. Parcel Post weight, 1 lb.

**Grass and Sheep Shears**—Full polish; imported shears, \$1.25; half-polished, excellent quality, 50c.; ne for trimming grass; cheaper grade, 35c. Weight on all 1 lb.

**Mule Shears**—For trimming fetlocks. Price, 75c. Weight, 1 lb.

**Pruning Knives**—Wood handle. \$1.00, postpaid.

**Budding Knives**—Ivory handle. \$1.50, postpaid.

**Pocket Knife**—Combined pruning and budding. 1.25, postpaid.



#### GRAFTING WAX.

1/4 lb., 15c.; 1/2 lb., 25c.; 1 lb., 40c.

**Long Handle Grass and Weed Sickle**—Fig. 20. light, strong, durable. The blade 13 in. long, 2 1/4 in. wide at the heel, is made of crucible steel, tempered and sharpened to a razor edge. The shank, made in two parts, of pressed steel forms the socket for handle, and the blade is riveted between these two parts, making a solid coupling which will not break or become loose. The handle is selected ash. A slight bend in the shank throws the handle, which is 3 ft. 8 in. long, up at an angle which enables the user to stand almost erect when at work. Price, \$1.00. Weight, 2 lbs.

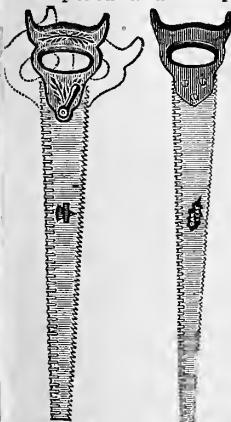


Fig. 8

#### PARCEL POST SHIPMENTS.

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post-office for proper amounts.

**Pruning Saws**—Made of the very best material, \$1.25; somewhat larger, stronger and coarser teeth and adjustable handle. \$1.80. Weight, 2 lbs.



**R-70**—Like illustration, has adjusting nut and regulating ratchet, steel blades of extra quality, tempered, Voente spring.

Price, \$1.85. Parcel Post weight, 2 lbs.

#### "KEEN KUTTER" TREE PRUNER.

Select hardwood pole, natural finish; forged steel hook, painted red, riveted to handle; tempered crucible forged tool steel drawn cutting blade 4 1/4 inches long, insuring ample leverage; copper finish steel wire drawing rod; steel lever handle; painted red with hardwood grip; clip that handle works in bolted to pole; length of lever handle 11 in.; 8 ft., \$1.35; 10 ft., \$1.40; 12 ft., \$1.50.

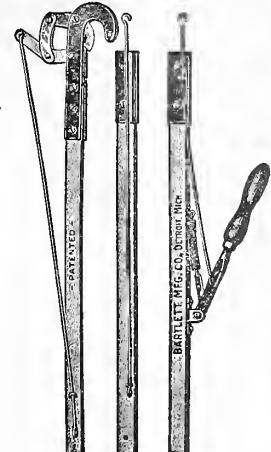


Fig. 24

**Jointed Pole Tree Trimmer**—Fig. 24. 12 feet long can readily be transformed to 8-foot trimmer; made of the best material; very strong. Price, \$3.75. Parcel Post weight, 8 lbs.

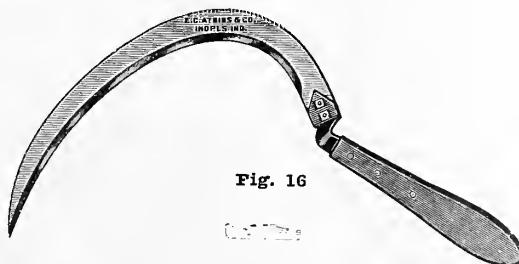


Fig. 16

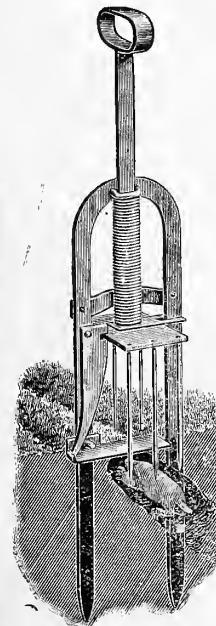


Fig. 21

**No. KKG. Keen Kutter Grass Hook**—Trowel Shank; Blades hammered from crucible steel bar. Tempered and polished ground and hones, sharpened ready for use; natural finish hardwood handle 6 in. long; 11 in. long from point to shank; blade 1 1/4 in. wide; shank extends into handle 3 1/4 in. and is fastened with three steel rivets. Price, 75c. each. Parcel Post weight, 2 lbs. Fig. 16.

**German Grass Hooks, or Sickles**—Price, 50c. Weight, 2 lbs.

**Asparagus Buncher**—The latest improved. Price, \$3.00. Weight, 4 lbs.

**Asparagus Knife**—Fig. 17. Which makes a fine weeder as well. Price, 50c. Weight, 1 lb.

**Wire Fruit Pickers**—To be adjusted to long pole. Price, 40c. each. Weight, 2 lbs.



Fig. 17

#### RITTENHOUSE MOLE TRAP—Fig. 21

The simplest, safest and surest mole trap ever invented. Self-setting. No danger of its going off unless the trigger is touched. Made of all steel and tinned. The spears are spring steel, therefore, do not have to be as long as soft steel.

Price, \$1.00. Parcel Post weight, 3 lbs.

## TWINES, GARDEN REELS. BASKETS, BAGS, ETC.

Jute Twine—3-ply, 25c. ball; 50c. lb.

Binder Twine—Standard; ball, \$1.75. 5-lb. quantity price furnished on application.

Edger Twine, or Tarred Sisal—Lb., 25c. Quantity prices furnished on application.

Flax Lines—Cotton, per pair, 60c.; Sisal, 40c. Weight, 2 lbs.

Garden Line—150 feet of good cotton line, 25c.

Garden Reels—Medium, \$1.00; large, \$1.25. Large, double reel, \$2.25.

Picking Baskets—1/2-bushel size, 35c. each.

White Oak Baskets—Side handled, 1 bushel, 90c.

Splint or Chip Baskets—With handle, 1/4-bu. size, 10c.; 1/2-bu. size, 15c.

Pea Bags—Used by Anne Arundel farmers for bringing peas and beans to market. For quantities write for price.

Strawberry Boxes—1-qt. size, 10c. dozen; per 100, 75c. per 1000.

Prices furnished on application.

Asparagus Buncher—See page 1.



Fig. 21

Raffia—Fig. 21. For tying asparagus, and used extensively for tying roses, chrysanthemums or anything in the garden. Price, lb., 50c.

Trace Chains—7 ft., straight link, hook or ring.

Cow Chains—20 feet. Tieing out, 75c. and \$1.00; stable ties, 50c.

Back Bands—Leather loop, 75c.; patent, 50c.

Hot Bed Sash—Made to hold either 24 or 28 8x10 panes. These sashes are grooved so that the panes slide in and butt one against the other. Price of either size, \$1.75 each.

Hotbed Glass—Box of 90 panes, 8x10, \$6.00.

Hotbed Mats—Burlap covered, 40x76 size, covers one sash. 76x76, covers two. Price on application.

Putty Bulbs—

For applying liquid putty. Fig. 22. Price, \$1.35.

Parcel Post weight, 1 lb.

Twemlow's Old English Glazing



Fig. 22

Putty—Semi-liquid. For bedding-glass in sash and filling cracks or seams in roof joints or frames of hotbed or greenhouses. Gallon, \$2.60.

Peerless Glazing Points—The finest glazing points on the market. Per box of 1,000, 75c. Parcel Post weight, 1 lb. on both.

A few of Its Good Points—No raising up when driven. No rights. No lefts. No sliding. No trouble to apply. Cheap, indestructible. Once used, always used. Try them once.

Plant Bed Cloth—A cheap substitute for glass, and will keep out many degrees of frost; for poultry houses. Also useful for shading material. Samples mailed on application. Heavy grade, yard, 30c.

## RUBBER HOSE, REELS, MENDERS, ETC.

The hose we offer is the best. It is guaranteed not to break.

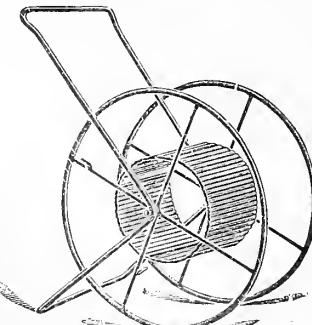
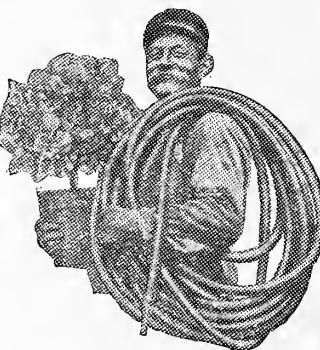


Fig. 5



Whipcord—Continuous length braided 3/4-in. hose. We can furnish any length of this hose desired up to 500-ft. lengths; better than any hose at 22c. per ft., including couplings, in 25-ft. lengths or over.

Mars—Continuous length braided 3/4-in. hose. This hose can be furnished like the above at 20c. per foot. This hose is as good and better than the majority.

Hose Coupling—Brass, regular size, 30c. per pair.

Hose Washers—Rubber, regular size, 10c. per dozen.

Hose Bands—For 3/4 and 1/2-in. hose. 5c. each; 50c. doz.

Hose Nozzles—Combined solid stream and spray, 75c. each.

Hose Reels—Wood and steel. Price on application. Fig. 5.



"Perfect Clinching" Hose Mender—Slip in the hose and hammer down—that's all. It leaves the hose as smooth and strong and tight as a new hose. It does the work of the mender tube and two clamps formerly used.

Price, 15c. each; 2 for 25c.; \$1.25 doz., postpaid.

## THERMOMETERS

Parcel Post Weight, 1 lb. on any of the four listed.

Regular Thermometer—Nicely finished. Prices, 40c. and 85c.

Self-Regulating Hothouse Thermometer—Best grade, \$4.25.

Hotbed Thermometer—Brass point. Fig. 8. Price, \$2.25.

Hotbed Thermometer—Iron frame and point. Price, \$2.25.

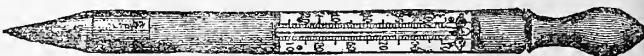
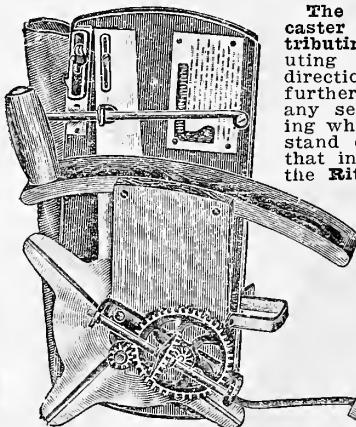


Fig. 8

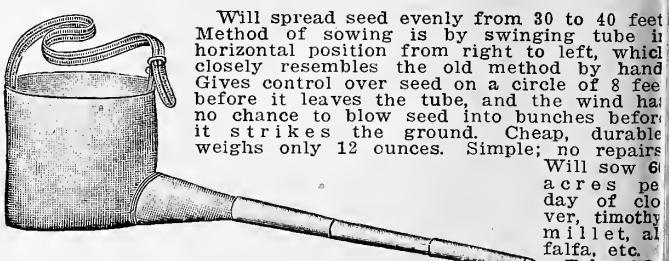
## GRASS AND CLOVER SEED SOWERS

### RITTENHOUSE DOUBLE FAN SEEDER



The most efficient hand broadcaster ever invented, double distributing wheel—The two distributing fans revolve in opposite directions, throwing the grain further and more evenly than from any seeder with a single distributing wheel. This means a more even stand of grain and a larger yield that in one season pays the cost of the Rittenhouse Seeder many times over. The material used in making this seeder is of the very best—the seeder is well painted—runs very lightly—and lasts a life time. The Rittenhouse Seeder is suspended from the shoulder at the side, and is far more convenient to handle than seeders which must be hung around the neck. Price, \$1.75. Parcel Post weight lbs.

### M. & S. TIN HORN SEEDER



Parcel Post weight, 1 lb.

Will spread seed evenly from 30 to 40 feet. Method of sowing is by swinging tube in horizontal position from right to left, which closely resembles the old method by hand. Gives control over seed on a circle of 8 feet before it leaves the tube, and the wind has no chance to blow seed into bunches before it strikes the ground. Cheap, durable, weighs only 12 ounces. Simple; no repairs.

Will sow 6 acres per day of clover, timothy, millet, alfalfa, etc. Price, 75c.

GRAPE PROTECTING BAGS

If put on during the period when grapes are forming, they will save many times their cost in the amount of fruit they will save from insects, rot, etc. All ready with wire to fasten.

	100	1000
2-lb. size.....	\$0.85	\$7.50
3-lb. size.....	.90	8.00
4-lb. size.....	1.00	8.50
Parcel Post weight on all three 2 lbs. per 100, 15 lbs. per 1,000.		

Bag all grapes to keep them  
from insect stings.  
sent by Express Only

## WIRE HANGING BASKETS

Help make the city beautiful by  
hanging wire hanging baskets and  
window shelves filled with beautiful  
flowers. Made of good heavy wire  
painted green and decorated in gold  
brass. See illustration.  
Baskets, 8-in., 35c.; 10-in., 45c.; 12-in.,  
15c. Parcel Post weight, 2 lbs. each.

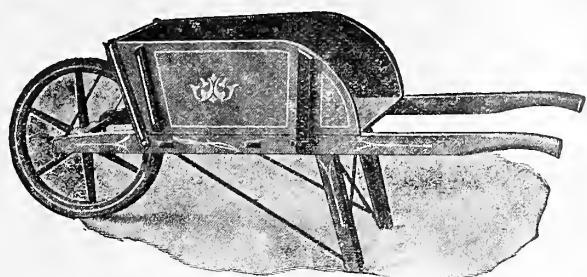


## WHEELBARROWS and LAWN SWINGS

No. 4 Wheelbarrow—Boy size. Identical with No. 3, only much smaller; handy for small place. Price, \$4.25.

No. 3 Wheelbarrows, for Garden and Farm Use—A durable, neat garden barrow. Size of body, 26 in. long, 19 in. tie in front, 22 in. wide at back. Leboards, 27 in. long, 12 in. high; handles, 4 feet 9 inches long; 2x1½-in. steel; 20 in. diameter; 6 spokes, \$5.75.

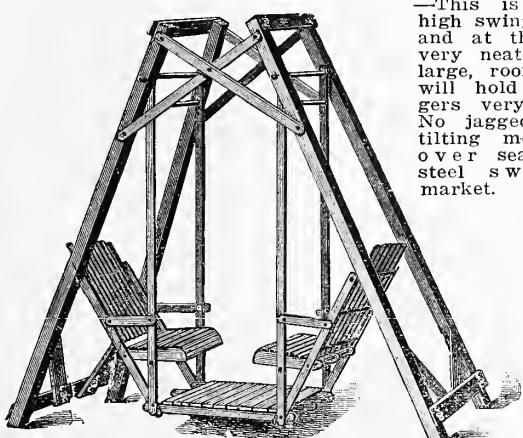
No. 2 Garden and Farm Barrow—Larger than No. 3. Price, \$6.25.



No. 3 Garden Wheelbarrow

No. 1 Farm Barrow—Still larger than No. 2. Price, \$7.75.

"Eagle Lawn Swing"—This is an all-steel high swing, very strong and at the same time very neat. It has two large, roomy seats and will hold four passengers very comfortably. No jagged corners, no tilting motion; awning over seats. The best steel swing on the market.



"Rock-A-Bye" Lawn Swing. Made for durability and wear. A far superior article to the ones bought in department stores. Two and 4-passenger.

Prices furnished on application.

## WATER TRUCKS AND COMBINATIONS

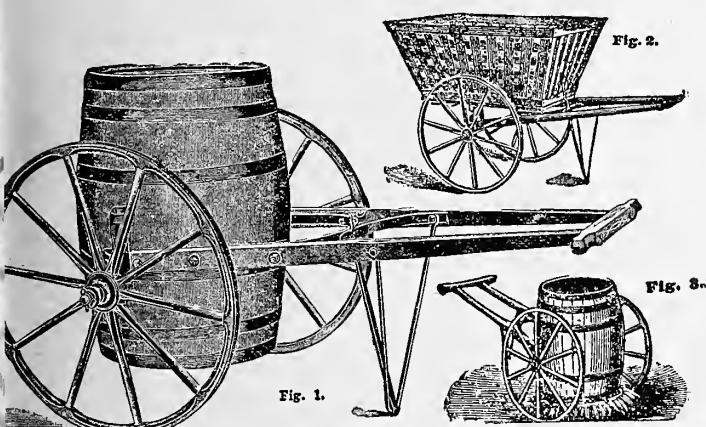


Fig. 2.

Fig. 3.

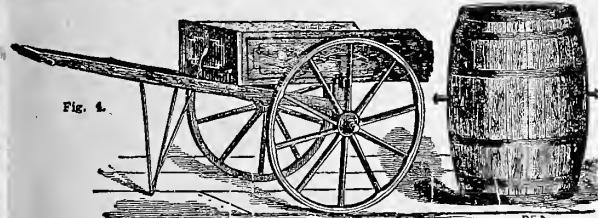


Fig. 4.

Fig. 1 represents our Barrel Cart, to which can be attached any of our Barrel Spray Pumps. This is a convenient combination, and may be found useful in various ways, such as watering gardens, spraying fruit trees, etc.

Fig. 2 shows Truck with Leaf Rack attachment.

Fig. 3 shows Truck and Barrel with Sprinkler attachment.

Fig. 4 shows Truck and Box, with Barrel detached.

Dimensions: Height of Wheels, 2 ft. 9 in.; distance between Trunnions, 2 ft. 2½ in.; width Tire, Steel, 1½ in., 2 in., 3½ in.; Wood, 1½ in., 2½ in., 4 in.

Box inside Measure Width, 22½ in.; Length, 24 in.; Height, 8½ in. Box has tail door.

Water Truck, with regular 1½-in. Tire, either Steel or Wood Wheels..... \$11.00 ready to pick up at short notice. Price, \$14.00.

For 2½-in. Tire add \$1.10 to regular 1½-in. Tire.  
For 3½-in. Tire add \$2.10 to regular 1½-in. Tire.

	Price
Water Truck and Barrel	\$16.25
Water Truck and Box	15.25
Water Truck, Barrel and Box	20.00
Sprinkling Attachment	5.00
Leaf Rack	8.50
Barrel	5.25
Box	4.00
Trunnions, per pair	1.00

**Baltimore Push Cart**—Similar to Fig. 4. For the merchant, printer, farmer, etc., to have one of these carts on his premises it will be found a most useful vehicle. There are so many purposes for which they can be employed—carrying bundles, printers' forms, farmers' tools and light implements, etc. It is never out of place, and always ready to pick up at short notice. Price, \$15.40.

Prices Subject to Change Without Notice.

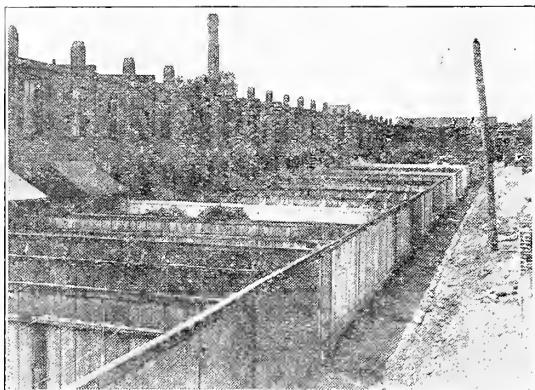
St. Michaels, Md., April 21, 1914. Perhaps you will be glad to know that the Yellow Danver Onion Sets received from you are coming up finely. I have a notion our onion fields are going to attract a good deal of attention in this vicinity.

Very truly yours,

GUION P. WILSON.

# WAUKEGAN-CYCLONE SANITARY WIRE FENCING

## PRICES SUBJECT TO CHANGE WITHOUT NOTICE



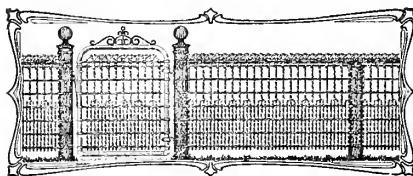
Before

Note the remarkable change shown in these two pictures. These pictures show back-yards in Baltimore that come back to the same alley. On the left is the unsightly, unsanitary tight board fence, that hides dirt, disease germs, rubbish and filth. On the right WAUKEGAN-CYCLONE Sanitary Fencing has replaced the old board fences and opened up the yards to fresh air and sunlight.

WAUKEGAN-CYCLONE Sanitary Fence actually cost less money than tight board fence. Dark unsanitary back-yards are changed into blocks of flower-beds, gardens and lawns and happy children's playgrounds. Danger from fire is lessened. The health of the family is preserved and the property is doubled in value.



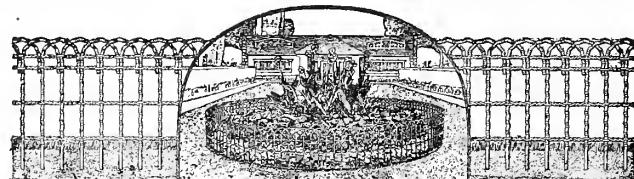
After



Style F Cyclone Fence

to 72 in. furnished.

Price per lineal foot, Style "F," 36 in., **22c.**; 42 in., **24c.**; 48 in., **28c.**; three-foot walk gates to match; three heights of fence, \$4.50 each.



Style L Cyclone Fence

heights up to 96 in. furnished.

Price per lineal foot, Style "L-Extra," 36 in., **16c.**; 42 in., **18c.**; 48 in., **20c.** Three-foot Universal Walk Gate to match, **\$3.50.**



Fig. 3

Fig. 2

Fig. 1

### WIRE TRELLIS—Fig. 1—Eclipse

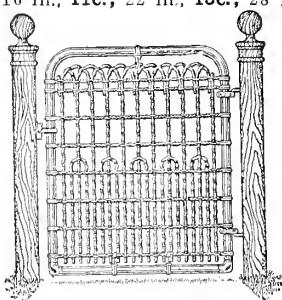
Just the thing for climbing plants and flowers. Cut to any length; fits any porch. The most inexpensive practical trellis made. Furnished in two widths. Style, single. Price per lineal foot, 18 in., **8c.**; 24 in., **10c.**; 30 in., **12c.**

### RUBBISH CONSUMERS—Fig. 1—Eclipse

Burns waste paper, rubbish and all combustible materials without scattering and without danger from fire.

Made of large heavily galvanized wire with reinforced bottoms and sides, and inside iron rings.

See Price on Next Page.



### UNIVERSAL WALK GATE

Made of heavy high-carbon steel tubing, non-breakable frame with Style "F," chicken-tight fabric; hinges and latch to hang to wood posts.

Heights, 36 in., 42 in. and 48 in. Three-foot opening, Price, **\$3.50.**

Either size.

### SINGLE AND DOUBLE DRIVE GATES.

Single Ornamental Drive Gate, 12 ft., height 30, 36, 42 or 48 in. Price, **\$13.50.** either size.

Double Ornamental Drive Gate, 12 ft., height 30, 36, 42 or 48 in. Price, **\$15.00.** either size.

National Farm Gate, 12 ft., height 48 or 54 in. Price, **\$11.50.**

either size.

Mrs. George R. Willis, of Bengies, Md., writes us: Gentlemen: I want to say to you that I have had better success with your Sweet Pea Mixture than any I have ever bought.

**RUBBISH CONSUMERS—(Continued)****Made in four sizes:**

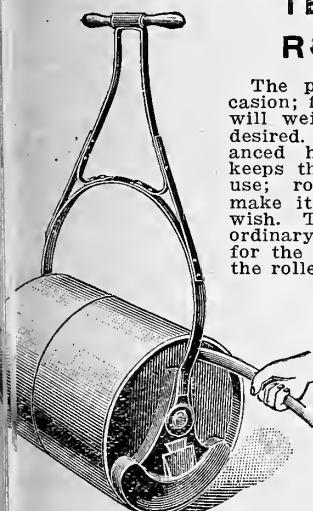
No. 1 —Height, 20 in.; diameter, 14 in. Price, \$1.75.  
 No. 2 —Height, 24 in.; diameter, 15 in. Price, \$2.25.  
 No. 2½—Height, 30 in.; diameter, 18 in. Price, \$3.25.  
 No. 3 —Height, 35 in.; diameter, 20 in. Price, \$3.75.

**Wire Tree Guard**—Fig. 2. Carefully galvanized, thoroughly  
d. 8 inches diameter, \$1.50 each.

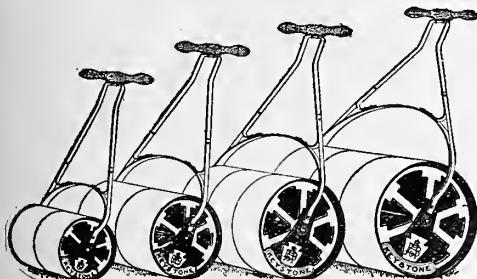
## M. & S. WATER BALLAST LAWN AND TENNIS COURT ROLLERS

The proper roller for most any occasion; fill it with water or sand, which will weight it any number of pounds desired. Equipped with counter-balanced handle weights, which always keeps the handle in position ready for use; roller axle bearings. You can make it as heavy or as light as you wish. The drum can be filled with an ordinary garden hose, when through for the season pour the water out and the roller is easy to put away.

For an even green Velvety Lawn, always sow M. & S. Roland Park Lawn Grass Seed and M. & S. Shady Nook Mixture. For particulars, price, etc., see page 16.



No.	Diam. In.	Lgth. In.	Weight			Price
			Empty	Filled With Water	Filled With Sand	
B	18	24	155	410	555	\$14.00
B	24	24	180	525	710	18.00
B	24	32	200	665	935	20.00



**Yystone Roller Bearing Lawn-Rollers**—To raise a velvety lawn and keep it so the lawn-roller is a great aid. In Spring, after a season of freezing and thawing, the ground becomes uneven and porous, and receding, from the grass roots, lowered to settle of its own accord the lawn is left rough and grass liable to die off in high spots. If pressed back firmly evenly with a lawn-roller the chances for a new, velvety lawn are more favorable.

01—Diam. 15 in., 2 sec., weight 150 lbs., length 15 in., \$15.00  
 04—Diam. 20 in., 2 sec., weight 250 lbs., length 20 in., 19.50  
 07—Diam. 20 in., 2 sec., weight 300 lbs., length 24 in., 23.50  
 09—Diam. 24 in., 2 sec., weight 400 lbs., length 20 in., 30.00

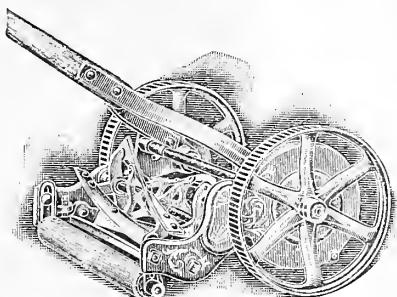
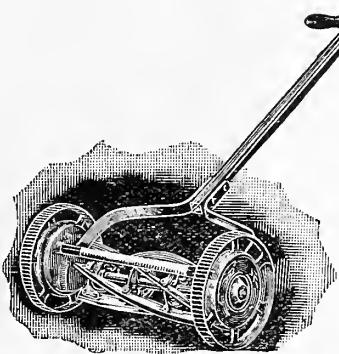
**Law Fadders**—Very useful in padding down seed, where a roller cannot be used. Two strong boards, 9½ in. by 20 in., joined each with a rope attached to the feet. Price, complete, per pair. Parcel Post weight, 8 lbs.

## M. & S. HAND LAWN MOWERS

**M. & S. Belvedere Ball Bearing Lawn-Mower**—This mower is made of the best material and is specially adapted for hard usage; it is the best train geared lawn-mower on the market.

**PRICES:**

14-in.....	\$13.50
16-in.....	15.00
18-in.....	16.50
20-in.....	18.00

**M. & S. Belvedere****M. & S. Interstate**

**M. & S. "Inter-state" Ball Bearing Lawn-Mower**—First-class, high wheel, ball bearing lawn-mower at a popular price. The four revolving knives give a continuous cut. Made of best materials, easy running, and fully warranted.

**PRICES:**

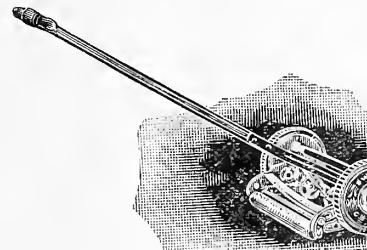
14-in. cut, \$10.00;
16-in. cut, \$11.00; 18-in. cut, \$11.75; 20-in. cut, \$12.75.
Send your Lawn-mowers in to be sharpened. We do this thoroughly and reasonable.
The "Colonial" Lawn Mower Ball Bearing

**The "Colonial" Lawn Mower Ball Bearing**

**M. & S. "Colonial" Ball Bearing Lawn-mower**—A grand little machine that runs so easy that it can be operated by a lady or child. The four revolving cutter blades are made of the finest material.

**PRICES:**

12-in. out, \$6.75;
14-in. cut, \$7.25; 16-in. cut, \$8.00.
M. & S. "Swift Cutter" Lawn Mower

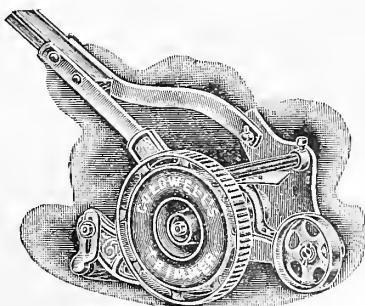
**M. & S. Swift Cutter**

**M. & S. "Swift Cutter" Lawn-Mower**—For the benefit of those who want a low-priced mower, and for those who have but little grass to cut, we offer the best cheap mower made. While the prices are as low as "department store" prices, this mower will be found much better in quality of knives and quality of work performed.

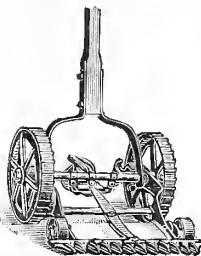
**Prices:** 10-in. cut, \$5.50; 12-in. cut, \$5.75; 14-in. cut, \$6.00; 16-in. cut, \$6.25.

**Coldwell Trimmer Mower**—This is an excellent machine for trimming around flower beds, shrubbery and walk edges. The revolving cutter is 6 inches wide, and cuts within ¼ in. of side obstruction; it has only one drive wheel. Price, \$8.00.

**Horse Lawn and Field Rollers and Other Size Hand Rollers**—Prices furnished upon application.



**LAWN-MOWER SHARPENING**—This work is done for us by a competent mechanic, and we can insure entire satisfaction.



**Pennsylvania High Wheel Mower—**This high-grade mower is constructed for cutting ordinary grass, as well as grass from 6 in. to 10 in. high. Wheel, 10½ in.; cylinder, 6½ in. Four crucible steel knives. Prices on 15-in., 17-in., 19-in. and 21-in. furnished on application.

**The "Clipper" Mower—**There are three things that tend to destroy your lawns—dandelions, buck plantains and crab grass. In one season the Clipper will drive them all out. No. 1, 12-in. cut, \$6.75; No. 2, 15-in. cut, \$7.50; No. 3, 18-in. cut, \$8.50; No. 4, 21-in. cut, \$9.50.

**Pony Clipper Mower—**24-in. cut, \$20.00.

**Oil Cans—**Filled with oil. 15c. and 25c. each.

## MOTOR AND HORSE LAWN MOWERS

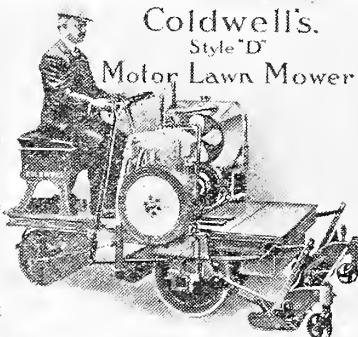
This well-known standard mower has side draft attachment that enables the horse to walk on the cut grass only, and caster rollers which will not mark the lawn. Evenness of cut is assured by an adjustment which raises or lowers the two sides at the same time by means of a simple lever movement. This same lever serves the purpose of raising the knives from the ground when driving over the gravel walks or roads. Price, 30-inch cut (complete), with seat and shaft, \$90.00.

25-inch cut Pony Machine, less shafts and seat, \$65.00.

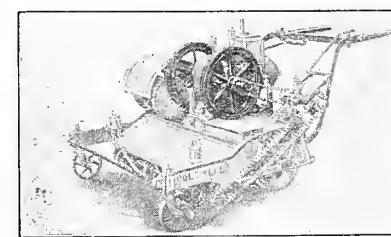
**Coldwell Demountable Cutter Unit Horse Lawn-mower—**Like the above, but has two revolving cutters, which can be replaced very quickly. 30-in. machine, \$150.00.

**Horse Lawn Boots—**Price, per set of four, furnished on application; No. 2, 5½ in. inside; No. 4, 6½ in. inside; No. 6, 7 in. inside. Prices furnished on application.

Style D & E



**Coldwell's Combination Roller and Motor Lawn-mowers, Style F and H, Walk Type—**Are designed for use on small estates, tennis grounds, etc., not sufficiently large to warrant the purchase or use of one of the larger and heavier machines.

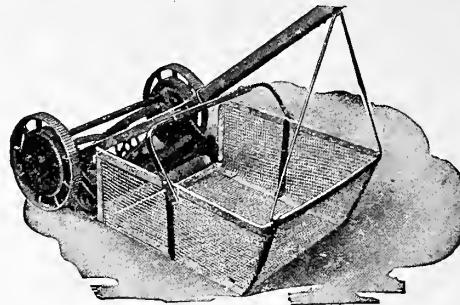


Style F & H

Gentlemen: About the middle of April I purchased from you some of your "Shady Nook" Lawn Grass Seed. About a week or so ago I sowed same in the ground, mixing with it at the same time some of the Diamond Brand Compost as a Fertilizer, and am more than pleased with the results as the Grass is not only thick, but is about one inch high.

Yours very respectfully,

JULIUS WEGNER, 4755 Park Heights Ave.



There always have been makes of mowers on the market that could not be properly fitted with a grass catcher. The M. & S. designed to fit any size or style of mower and can be attached or detached in a moment. Made of galvanized iron. Hardware cloth. Fits any mower. Price, \$1.75.

**Canvas Grass**

**Catcher—**No. 1, \$1.25; for 12-in. to 16-in. mowers; No. 2, \$1.75; for 16-in. to 20-in. mowers.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

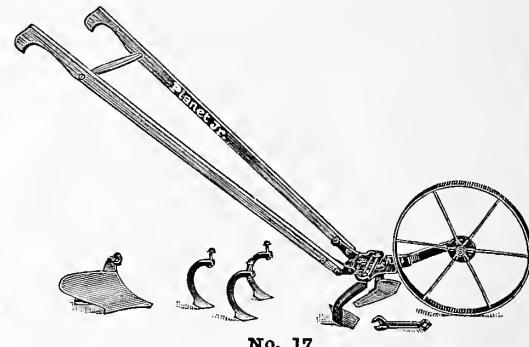


## PLANET JR. GARDEN TOOLS



SPECIAL PLANET JR. GARDEN AND FIELD TOOL CATALOGUE FURNISHED ON APPLICATION.

## PLANET JR. SINGLE WHEEL HOES



No. 17

**No. 17 Planet Jr. Single Wheel Hoe—**Price, \$8.75. Steel Frame and Wheel. The highest type of single wheel hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest and best way.

Indestructible steel frame and steel wheel, as illustrated.

**No. 16—“Planet Jr.”—**Same as No. 17, but has also one five and one three-tooth rake, one three-tooth and a leaf guard. Price, \$10.50.

**No. 17½—“Planet Jr.”—**Same as No. 17, but has no plow, but in addition has a leaf lifter. Price, \$7.60.

**No. 18—“Planet Jr.”—**Only equipped with one pair 6-in. hoes. Price, \$6.25.

**No. 33—“Planet Jr.” Single Wheel Hoe—**Just the thing for the suburbanite, young or old will find in this tool a light-running wheel hoe that will save them hard work and help much to supply the table with fine vegetables.

PRICE, \$6.50.

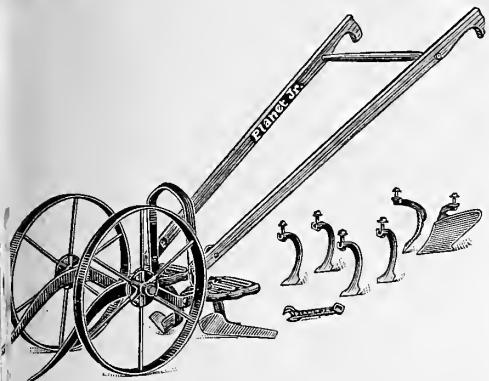
**No. 39—“Planet Jr.” Single Wheel Hoe, Cultivator and Plow.**

PRICE, \$10.50.



No. 33

## PLANET JR. DOUBLE WHEEL HOES



No. 12

No. 12 Combined Double and Single Wheel Hoe—Price, \$12.50. Steel Frames, 14-inch Steel Wheels.

Straddles crops till 20 inches high, then works between rows with one or two wheels. The plows open furrows and covers them. The cultivator teeth work deep or shallow. The hoes are wonderful weed-killers.

the greatest hand-cultivating tool in the world. Thousands Planet Jr. hand-tools (seed drills and wheel-hoes) are used in gardens, 32 styles—various prices. You can't afford work without a Planet Jr. Come in and let us prove it to you. 12, as illustrated. Price, \$12.50.

No. 11—"Planet Jr."—Like the above, but in addition has one 4½-inch hoes, two 3-tooth rakes and two 5-tooth rakes. Price, \$16.00.

No. 13—"Planet Jr."—Only equipped with one pair 6-inch hoes. Price, \$9.00. The No. 12 is the most popular tool.

No. 14—"Planet Jr."—Double and Single Wheel Disc Hoe, Cultivator and Plow. Price, \$14.25.



"Planet Jr." "Firefly" Garden Tool—Very useful for small gardens. Will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep by going twice. Rows for manure or seed can be opened and covered. Chicken farmers find it of great advantage plowing up the scratching S. Price, \$4.00.

No. 66—"Planet Jr." Slide Hoe—Price, \$5.50. This light and strong tool is especially adapted to late cultivation when it is desired to work rapidly beneath fallen plant tops or where it is important that the tops of the plants are not buried. Straddles or works in between.

No. 65—Slide Hoe—Price, \$5.00.

"Planet Jr." Star Pulverizer—This new tool is especially suited for preparing the seed bed and crust breaker. Send for "Planet Jr." Catalogue for illustration and explicit description. Price, \$6.50.

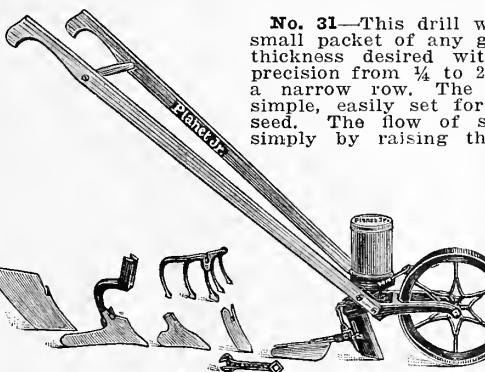
"Planet Jr." Grass Edger—Price, \$9.00. Extreme neatness is great secret of attractiveness in grounds surrounding a home. The "Planet Jr." Grass Edger assists wonderfully in achieving this effect. It will edge either straight or curved paths, drives, open borders or flower beds, doing the work quickly and rapidly when ground is in order, as after rain.

No. 19—C. Iron Age Single Wheel Cultivator and Plow—A good investment for any gardener, whether he is an amateur, an old-time home gardener or a market gardener; but is especially recommended to the man who has never tried any and wants a low-price tool to begin with. Price, complete, \$6.50.

We can furnish all kinds of Farm Tools, Mowers, Rakes, Harrows, Spreaders, Seed Drills, etc., also repairs for same. Catalogues and prices furnished on application.



## PLANET JR. COMBINED DRILL SEEDERS AND WHEEL HOES



No. 31

No. 31—This drill will sow even a small packet of any garden seed any thickness desired with the greatest precision from  $\frac{1}{4}$  to 2 inches deep in a narrow row. The index is most simple, easily set for every kind of seed. The flow of seed is stopped simply by raising the handles, and the tool may be thrown in or out of gear in a moment. The bottom of the hopper is open to full view. Seeds difficult to sow, like salsify, parsley, beets and

lettuce, or radishes, beans, peas, turnips, cucumbers, carrots, pickles, spinach, celery, cantaloupes, etc., are handled perfectly. It holds one quart. Price of No. 31—Seeder and Wheel Hoe, complete, \$13.00; No. 31D—Seeder only, \$10.50.

No. 4—"Planet Jr." Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator and Plow—Price, Complete, \$19.50—As a seeder only (No. 4D), \$15.50.



No. 4 "Planet Jr." Seeder Complete.

This tool soon pays for itself in the family garden as well as in larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily all through the season.



No. 25 "Planet Jr." Seeder and Wheel Hoe Complete.

No. 28 "Planet Jr." Seeder, \$22.00.

Gentlemen: I think it may be of some interest to you to know that I have had wonderful results with your pure culture Mushroom Spawn.

Most respectfully,

MRS. J. J. GEORGE, Long Green, Md.

Gentlemen: I have used your Parcel Post Egg Crates and have shipped by Parcel Post, exclusively, and find them satisfactory.

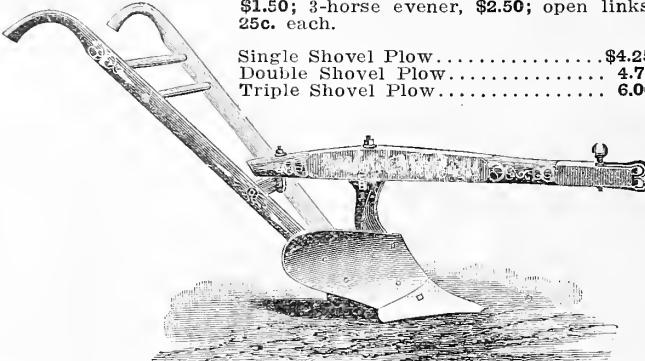
Z. JOHNSON, Morganza, Md.

COMPLETE PLANET JR. CATALOGUE FURNISHED ON APPLICATION.

No. 2 "Planet Jr." Seeder. Most simple, no agitator belts or gearing to injure seeds, very strong and easy to set. Price, \$12.75.

## PLOWS, CULTIVATORS, REPAIRS, ETC.

Single Double and Triple Trees—Made of White Oak, painted. 26- and 28-in. single tree, \$1.00; 30-in., \$1.25; 36-in. double trees, \$1.50; 3-horse evener, \$2.50; open links, 25c. each.



Single Shovel Plow.....\$4.25  
Double Shovel Plow.....4.75  
Triple Shovel Plow.....6.00

**Oliver Pattern Wood and Steel Beam Plows**—In fit, quality and finish, guaranteed the equal of the best. List price for Oliver Pattern Plows and Repairs—

	Wood Beam	Steel Beam	Slip Plow	Shares	Lands	Mould-boards	Wood Beams
No. A	\$9.50	\$11.00	\$0.40	\$0.70	\$0.75	\$2.50	\$2.50
No. B	11.00	12.50	.50	...	1.10	3.25	2.50
No. 10	14.50	16.00	.60	.80	1.10	3.75	2.50
No. 13	18.00	18.00	.70	.90	1.50	4.50	2.50
No. 19	19.00	19.00	.75	.95	1.50	4.75	2.75
No. 20	20.00	20.00	.80	1.00	1.50	5.25	2.75
No. E	22.00	22.00	...	.90	1.10	1.50	5.75
No. 40	22.00	22.00	.90	1.10	1.50	5.75	2.75

In ordering, mention "Wood" or "Steel" beam, right or left-hand.

Prices for plows include extra Share and Wrench. The following are extra: Wheel, complete, \$1.75; Jointer, complete, \$3.50.

We can also furnish the "Syracuse" and other leading plows and the repairs. Prices will be furnished on application.

## CULTIVATOR TEETH AND REPAIRS

	Price		Price
Diamond Point, 1 1/2 in....	\$0.13	Horse Hoe Steels, R. & L., each.....	\$0.40
Diamond Point, 2 in....	.14	Turn Shovels, R. & L., each.....	.35
Diamond Point, 2 1/2 in....	.15	Cultivator Clamps.....	.40
Diamond Point, 3 in....	.16	Set Screw Cultivator Clamps.....	.40
Diamond Point, 4 in....	.18	Sweeps—8 in., Planet Jr. ....	.58
Oval or Jersey.....	.15	10 in., Planet Jr. ....	.64
"Planet Jr." 7-inch Hind Shovel .....	.50	12 in., Planet Jr. ....	.70
"Planet Jr." 8-inch Hind Shovel .....	.55	15 in., Planet Jr. ....	.96
Frame and Teeth Bolts..	.05	18 in., Planet Jr. ....	1.20
		Cultivator Handles, Complete.....	1.40
		Cultivator Handles, Complete.....	1.00

### "PLANET JR." CULTIVATOR TEETH

	Price		Price
1 1/4 x 8-in. Steels.....	.022	1 1/4 x 10-in. Steels.....	.026
1 3/4 x 8-in. Steels.....	.25	1 3/4 x 10-in. Steels.....	.28
2 1/4 x 8-in. Steels.....	.27	2 1/4 x 10-in. Steels.....	.32
3 x 8-in. Steels.....	.31	3 x 10-in. Steels.....	.40
4 x 8-in. Steels.....	.36	4 x 10-in. Steels.....	.44

## PLANET JR. ONE-HORSE TOOLS

### NO. 100 PLANET JR. PLAIN

#### CULTIVATOR

The lightest yet strongest known, and one of the best tools we have ever been able to offer. It is the result of long experience on the farm and of careful manufacture. It weighs but 42 lbs. It will stand almost all kinds of hardship and do beautiful work under adverse conditions. Equipment: Five 3x8-in. cultivator steels. Price less wheels, \$8.35. Fig. 1.

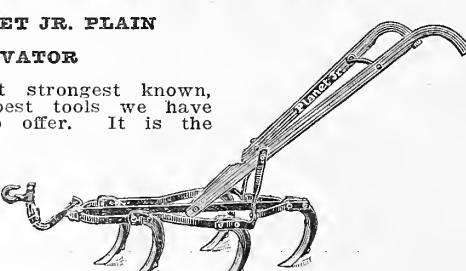


Fig. 1

**No. 4—"Planet Jr." Plain 5-tooth Cultivator**—This popular tool has been much stiffened and improved by new patent braces and expanders. Price, with steel wheel, \$12.50; without wheel, \$10.25.

**No. 4—"Planet Jr." Horse Hoe and Cultivator**—This tool is low in price, strong and simple. It is the modern cultivator for either garden or field use, for furrowing, covering and cultivating without the wheel. Price, with steel wheel, \$15.00; without wheel, \$12.75.

**Steel King**—5-tooth cultivator, very strong and serviceable. Price, \$6.00.

**No. 9—"Planet Jr." Horse Hoe and Cultivator**—Identical with the above, but has lever expander. Price, with steel wheel, \$17.25; without wheel, \$11.00.

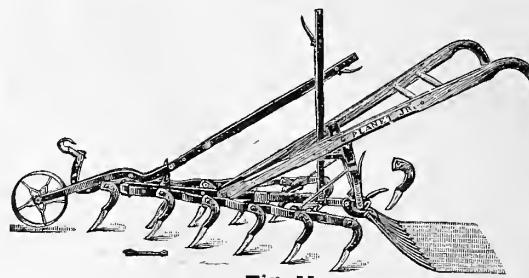
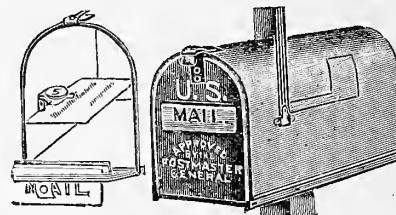


Fig. 11

**"Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer No. 90**—This tool—Figure 11 has rapidly grown in favor with strawberry growers, market gardeners, truckers and farmers because the twelve chisel-shaped teeth do such thorough work, and because the tool is so convenient, durable, strong and complete. This tool expands to 32 inches and contracts to 12 inches. Price, complete, as illustrated, \$20.00; less Pulverizer No. 90B, \$16.75; less Pulverizer and Wheel No. 90D, \$13.00. Plain without lever expander or wheel No. 92D, \$10.50.

## PRICES SUBJECT TO CHANGE.

## RURAL MAIL BOXES



22. Gauge Galvanized Steel, without Inner Galvanized Box; Box has a Letter and Coin Holder for Mailing Letters when not supplied with stamps; Reinforced Roller Ends; Drop in End of Box for Depositing Mail without Unlocking; Red Signal raised by Mail Carrier to show that he has deposited mail in the Box. Price \$1.75. Parcel Post weight, 8 lbs.

## HORSE AND CATTLE TONICS AND MEDICINES

**Pratt's Animal Regulator** is a regulator, digestive and mild tonic. The ingredients consist of pure medical roots, herbs and barks, carefully blended in the exact proportions necessary to gently but surely act on the blood, bowels, liver and digestive organs of horses, cows, sheep and hogs. It causes perfect digestion.

Ordinarily a great quantity of food given to stock is wasted on account of imperfect assimilation. Pratt's Animal Regulator stops that at once. The worst run-down animal can be given Pratt's Animal Regulator according to directions, and an improvement will be seen almost at once. **Fig.**, 30c. and 60c. Parcel Post weight, 2, 7 lbs., respectively.

**Pratt's Worm Powder**—For destroying worms in horses, cows and sheep. **Box**, 50c. Weight, 1 lb.

**Pratt's Liniment**—For man or beast. **Bottle**, 30c. Liquid.

**Pratt's Healing Ointment**—For man or beast. **Box**, 30c. Parcel Post weight, 1 lb.

**Pratt's Healing Powder**—For harness galls. 30c. Parcel Post weight, 1 lb.



**Kow-Kure** is in powder form, to be given in regular feed. cures abortion, barrenness and scours, caked udder, removes retained afterbirths, purifies the blood, strengthens the appetite, vitalizes the nerves and prevents disease. It increases the milk. It is a medicine for cows only. Price, 60c. Parcel Post weight, 2 lbs. Large size, \$1.00. Parcel Post weight, 5 lbs.

**Bag Balm** for all diseases of the cow's udder and teats there no remedy so quick and certain in its curative powers as **Bag Balm**. It is a soothing, penetrating ointment, especially adapted for those serious and annoying troubles known as caked bag, cow pox, chapped, cracked and sore teats, bunches, chafing and inflammation of all kinds. **Bag Balm** penetrates through the skin and inner tissues at once, reaching the glands, where it reduces the inflammation, breaks up the bunches and spreads its cooling softening effect to all the affected parts. This remedy has with unequalled success, and is found on the most progressive dairy farms in the country. Price, 60c. Parcel Post weight, 1

## SAL-VET

**The Great Worm Destroyer—The Great Live Stock Conditioner**  
SAL-VET is a medicated salt—a safe, simple, inexpensive remedy which gives stock the medicines they need along with the salt they crave. It requires no dosing, no drenching, no starving. It goes into the stomach and intestines and loosens the leach-like hold these blood-sucking parasites have on the tender linings. It drives the robbers out—without bother or trouble to you. Your animals eat SAL-VET in place of common salt and thus doctor themselves.

### PROTECT YOUR HERD AGAINST DISEASE.

Don't pay the frightful price of worm neglect. Don't wait until cholera breaks out in your neighborhood. Fortify your stock against disease. Get rid of the blood-sucking, disease-breeding worms now. Put every animal on your farm in a healthy worm-free condition so they can get more good of what they eat—gain faster—make you more money.

### A SINGLE WORM-INFESTED HOG IN YOUR HERD IS A CONTINUAL MENACE TO YOUR HOG PROFITS.

It is the worm-infested, half-starved animals that spread the deadly worm curse over your farm. They are disease-breeders and disease-carriers of the worst kind. Helpless themselves to resist contagion, they let down the bars to the cholera scourge and death stalks through your herd. They are the danger spots in every herd.

15-lb. packages "Sal-Vet".....at \$1.50 each  
40-lb. packages "Sal-Vet".....at 3.00 each  
100-lb. kegs "Sal-Vet".....at 6.75 each  
200-lb. barrels "Sal-Vet".....at 12.00 each  
300-lb. barrels "Sal-Vet".....at 16.75 each

**Cal-Sino Restorative Powder for Horses**—Lessens and expels clogged catarrhal and stagnant waste matter. **Price, 60c.** Parcel Post weight, 2 lbs.

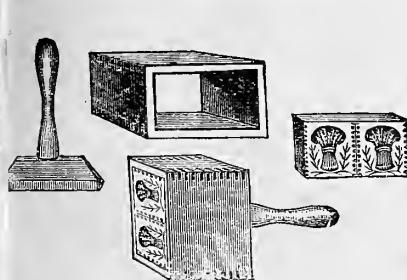
**Cal-Sino Aperient**—For dairy cows or cattle to be fattened—it cannot be excelled. **Price, 60c.** Parcel Post weight, 2 lbs.

**Cal-Sino Restorative for Swine**—Disinfects the bowels, expels worms, regulates nutrition and thereby promotes health and flesh production. **Pkg., 60c.** Parcel Post weight, 2 lbs.

## REQUISITES FOR THE STABLE AND DAIRY



### BALTO. PATTERN HAND MADE BUTTER PRINT



This Butter Print is hand-made out of solid hardwood, and is put together with brass screws, making it indestructible. Being a two-piece print makes it very handy to use.  $\frac{1}{2}$ -lb. Sheaf of Wheat Print, \$1.25; weight, 1 lb. 1-lb. Sheaf of Wheat Print, \$1.50; weight, 2 lbs.  $\frac{1}{2}$  lb. Special Print, Carved with Initial, \$2.50; 1 lb. Special Print, Carved with Initial, \$3.00; up to five letters, over that every letter, 20c. extra.

### SEELEY PATTERN BUTTER PRINTER

Furnished with sheaf of wheat. Movable block.  $\frac{1}{2}$  lb., 75c. Weight, 1 lb. 1 lb., 90c. Weight, 2 lbs.

### LADLES AND SPADES

4x12 Butter Spade, 25c. No. 1 Butter Ladle, 25c.

**Lafayette Butter Printer and Table**—Either pound or half-pound size, with table, \$27.00; without table, \$15.00. Initial or nonogram, \$1.50 extra.

**Parchment Butter Paper**—Cut for pound and half-pound prints. Price, 25c. lb. Special price on quantities.

**Wells, Richardson & Co.'s Butter Color**—The best butter color in the market. Small bottle colors, 500 lbs., 25c.; large bottles, 50c. and \$1.00.

**Floating Dairy Thermometer**—75c., postpaid.

Prices subject to change without notice.

## BUTTER BOXES FOR PARCEL POST

This two-piece corrugated box is designed to hold 1, 2, 3, 5 pounds of butter when packed in Tuck End Cartons (which are included in the price) for shipment in Local Delivery and First Zone. The air cells in the corrugated board assist in preserving a uniform interior temperature, making possible the delivery of the butter in a cool, sweet and sanitary condition. Folds flat for shipment.

1 lb., shipping wt., 1 lb., 8c. each; \$0.80 doz.; shipping wt., 2 lbs. 2 lb., shipping wt., 1 lb., 9c. each; .85 doz.; shipping wt., 5 lbs. 3 lb., shipping wt., 1 lb., 10c. each; 1.00 doz.; shipping wt., 5 lbs. 5 lb., shipping wt., 1 lb., 12c. each; 1.15 doz.; shipping wt., 9 lbs.

### "Star" Cooler Cream Separator

Two cans, one inside of the other. The inner can is for milk and the outer can for water. Great labor saver. The outer cans are painted and decorated.

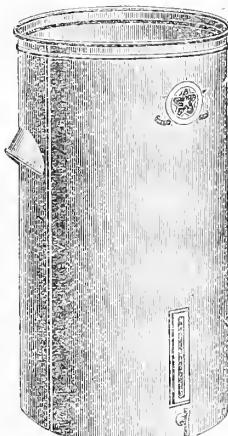
No. 000,	14 qts.	\$6.00
No. 00,	20 qts.	6.75
No. 01,	25 qts.	7.25
No. 01½,	35 qts.	8.00
No. 02,	45 qts.	8.75
No. 03,	65 qts.	10.50

### "Star" Gravity Cream Separator

Fig. 1. Like the above, but only one can. Made of the very best XXXX tin. The milk is mixed with equal quantity of water. Get cream in two or three hours. Not painted.

No. 0,	24 qts.	\$3.00
No. 1,	48 qts.	3.50
No. 2,	88 qts.	5.00
No. 3,	118 qts.	6.00

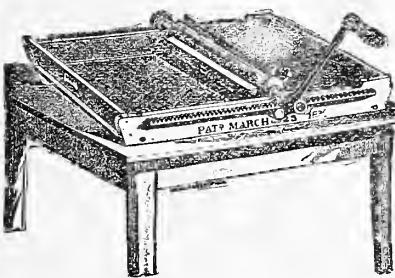
Price on Milk Cans, Pails and other Dairy Supplies on application.



No. 1

**Reid's Butter Worker**  
This machine acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain. Made of the best material; iron parts galvanized, preventing rust.

No. 1—50 lbs.	\$15.00
No. 2—30 lbs.	12.00
No. 3—20 lbs.	10.50
No. 4—10 lbs.	9.00



### DAZEY GLASS FAMILY CHURN

Fig. 2. Easy running, easy to clean, produces the finest butter that can be made. No. 30G, churning 1½ qts., \$3.00; No. 40G, 2½ qts., \$3.75.

### Improved Cedar Wood Cylinder Churn

No. 1, 2½ gal.	\$3.75
No. 2, 4 gal.	4.50
No. 3, 7 gal.	5.25
No. 4, 10½ gal.	6.00

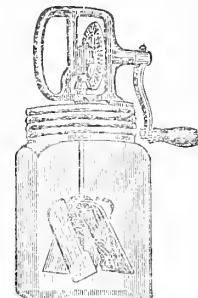


Fig. 2

## "NO FLIES HERE"

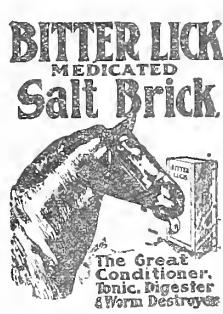


A liquid designed to protect cows, oxen, horses, mules and all live stock from flies and other insects, and to drive and keep them off.

1 gallon	\$1.75
½ gallon	1.00
1 quart	.60

**Bitter Lick**—For horses and cattle of all kinds. **Price of brick, 35c.**

**Holders for Bitter Lick Brick**—Made of iron and japanned black. **Price, each, 30c.**



The Great Conditioner, Tonic, Digestor & Worm Destroyer

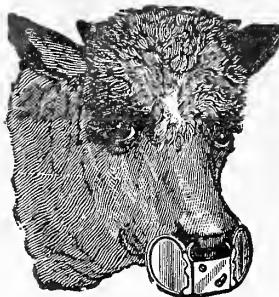


Fig. 6

**Rice's Calf Weaner**—Fig. 6. Very effective for weaning calves and preventing cows sucking themselves. No. 1, for calves, 50c.; by mail, 55c. No. 2, for heifers, 60c.; by mail, 65c. No. 3, for cows, 85c.; by mail, 90c.

**Bull Rings**—Copper, 35c. a piece. Different sizes. Postpaid.

### BLATCHFORD'S CALF MEAL

The best milk substitute. Protein, 24 to 26%; fat 5 to 6%; carbohydrates, 51 to 53%. Prices—1b., 8c.; 25 lbs., \$1.85; 50 lbs., \$3.50; 100 lbs., \$6.00.

**Rydes' Calf Meal**—Same analysis as above. 1b., 8c.; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.75.

Prices subject to change without notice.

### OILS AND AXLE GREASE

**Harness Oil "Eureka"**—Pt., 35c.

**Cream Separator Oil**—Qt., 45c.; 2 qts., 75c.; gal., \$1.25.

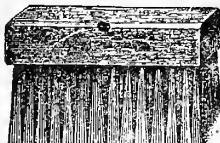
**Harvesting Machine Oil**—Gal., 90c.

**Gasoline Engine Oil**—Gal., \$1.25.

**Household Lubricant Oil**—In can with spout ready for use, 15c. and 25c. filled. Empty can like Fig. 4, fits field mowers—15c. each. Parcel Post weight, 1 lb.

**Mica Axle Grease**—Can, 25c., 40c. and \$1.10.

### BROOMS AND BRUSHES



Plain Corn Brooms, extra quality... \$1.00

Bass Push Broom, 14 inches. (See cut)..... 1.25

Handles for Push Broom, 25c. each.



Fig. 4

### "AMERICAN" STEEL FENCE POSTS



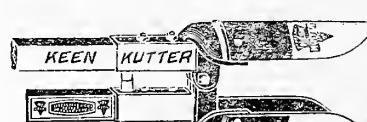
**"American Steel Posts for Poultry Yards**—A 6-foot fence is high enough for the ordinary poultry fence. Putting the posts 2 feet in the ground, this is accomplished by using 8-foot posts. By the use of "American" Steel Posts about the poultry yard sanitary conditions are secured and the poultry is safe from the common pest breeder, the old wood post.

No. 16 Line Post, 6 1/2 ft. 8-foot End Post.  
No. 16 Line Post, 7 ft. 8-foot Corner Post.  
No. 16 Line Post, 8 ft. Send for Special Catalog and Price.

**Barbed, Ribbon, Plain and other Wires, and Barbed Wire Staples**—Prices on application.

### POSTHOLE DIGGER

Highest Grade Crucible Steel Blades, 12 Gauge, 9 in. deep, 5 in. wide, riveted to heavy shouldered Malleable Iron Frame, with closed handle sockets 4 in. deep; select ash handles with graduation marks in ft. burned on, from 2 to 4 ft.; will dig hole 6 in. in diameter.

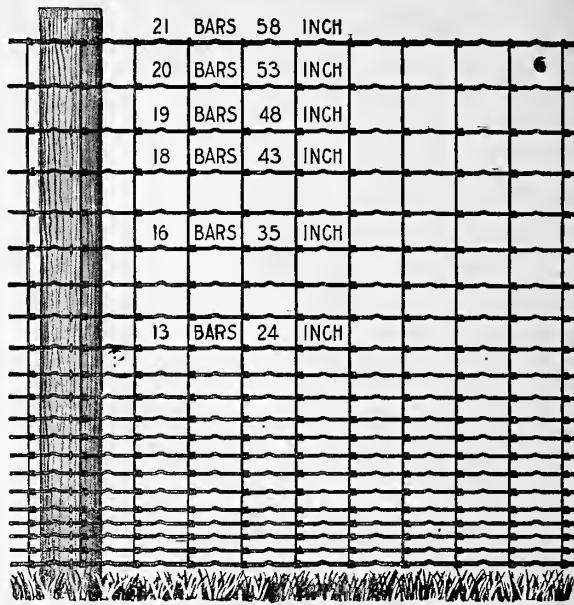


"Keen Kutter" Posthole Digger  
Price, \$2.50.

Owing to the unsettled condition in the wire market, we cannot fix prices at the present time, prices will be quoted on application.

### "AMERICAN" POULTRY AND RABBIT FENCE

PRICES FURNISHED ON APPLICATION



**"American" Poultry and Rabbit Fence**—For poultry yard gardens, orchards and yards; it is a great favorite. 165 running feet, 48-in.; 53-in.; 58-in. Prices furnished on application. No sold in less than roll lots.

**Farm Gates and other sizes and styles of Stock Fence**. Send for Special Descriptive Catalogue and Prices.

### TWO-INCH DIAMOND MESH POULTRY NETTING

Put up in rolls of 150 running feet. Galvanized after weaving. Either No. 20 or No. 19 wire. Height 1, 2, 3, 4, 5 and 6 foot. Prices furnished on application.

1 1/4c. per square foot in less than roll lots.

### 1 1/4-IN. MESH NETTING

Galvanized after weaving. This wire is small enough to turn baby chicks and pigeons, and much cheaper than the 1-inch mesh. Height from 1 to 6 feet; 150 running feet. Prices on application. Less than roll lots, 2 1/2c. per square foot.

Prices on Application

### 1-IN MESH NETTING

Rolls, 150 running feet. Height 1, 2, 3, 4, 5 and 6 foot. Less than roll lots, 3c. foot.

**Poultry Wire Staples**, 15c. per lb.

**Hardware Cloth**—For lining corn cribs, poultry houses, etc put up in rolls of 100 running feet. Rat and bird proof. 24-in 30-in., 36-in., 48-in. Price furnished on application. Less than roll lots, 8c. per square foot.

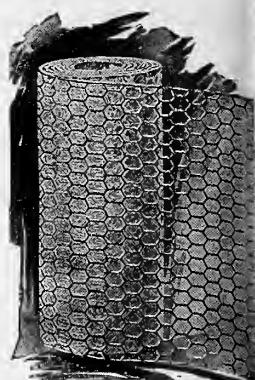
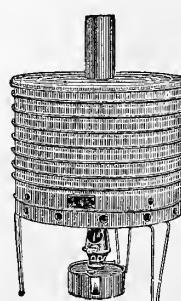


Illustration of two-inch Diamond Mesh Poultry Wire



### SANITARY FRUIT AND VEGETABLE TABLE EVAPORATOR

A practical machine for drying all kinds of vegetables and fruits for home use. patriotic duty. The National Food Gardening Commission says: "Drying vegetables and fruits for winter use is one of the vital national needs of wartime. As a patriotic duty it becomes a patriotic duty. As a patriotic duty it should be done in every family. Send in your order for one, and we will pay for itself this Fall. Price, complete with lamp, \$7.50. Shipping weight, 2 pounds.

## "EVERLASTIC" RUBBER ROOFING

### PRICE SUBJECT TO CHANGE.

**Everlastic Rubber Roofing**—The roofing with life. Will not crack, dry cut, rust or rot in any climate. It is the most durable for roofing because its water-proofing oils are least affected by the elements. It does not oxidize from exposure to the air. It does not volatilize or evaporate from the heat of the sun. Extreme cold doesn't take the life out of it. Put up in rolls containing 108 square feet, 36 inches wide. Sufficient nails and cement packed in each roll.

1-ply, guaranteed 5 years.....	\$2.50
2-ply, guaranteed 7 years.....	3.00
3-ply, guaranteed 10 years.....	3.25

Sample mailed on request. Special price in quantities.

—ply Red Seal Tar Roofing Paper, per roll of 108 square feet.....\$2.00

Prices on Roofing Subject to Change Without Notice.

## BANNER ROOT CUTTER No. 7

A Practical Machine for Cutting and Preparing Roots, Vegetables for Feeding Poultry.

PRICE, \$6.00

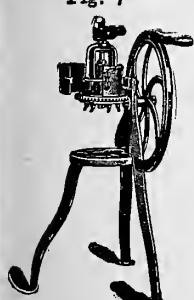


## GREEN BONE CUTTERS AND FEED GRINDERS

**No. 5BM**—Intended for flocks of 15 to 25 hens. Mounted on stand. Cylinder 6 in. diameter, 4 in. deep. Cutter plate has 4 knives instead of 3. Price, \$16.00.

The feed is both automatic and self-governing. Cuts all gristle and meat. Nothing escapes uncut.

Fig. 7



**No. 5C**—This machine is exactly the same as the No. 5B, with a crank handle instead of a balance wheel. Capacity not quite equal to 5B. Weight, 35 lbs. Price, \$9.50.

**No. 5B**—This machine is exactly the same as No. 5BM, except that it has not the iron per minute. Price, \$18.50.

**No. 7**—Intended for flocks of 40 to 100 hens. Mounted on strong iron stand with large table for box or pan to receive cut bone. Weight, 107 lbs. Cylinder, 7 1/4 in. in diameter; 5 1/4 in. deep. Capacity 1/2 to 1 lb. Weight, 60 lbs. Price, \$12.50.

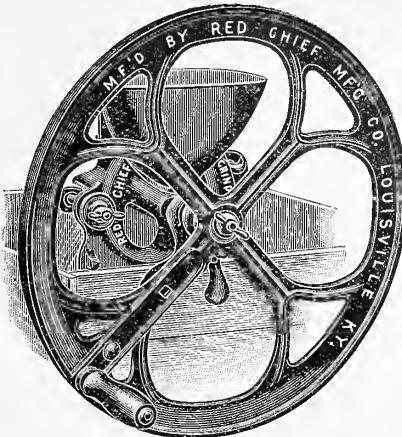
Owing to the unsettled conditions and the scarcity of raw material the prices on all iron and steel goods are subject to change without notice. Prices on wire furnished on application.

**No. 7 1/2**—Semi-power Machine, \$25.00. **No. 11**—Comb. Power Cutter, \$40.00. **No. 12**—Small Power Cutter, \$50.00. **No. 15**—Large Power Cutter, \$100.00. Send for Special Catalogue.

**"Red Chief" Grinding Mill**—No. 1. For cracking corn, wheat and other grains. Price, \$3.50. Parcel Post weight, 10 lbs.

**"Red Chief"**—No. 5. Like above but has fly wheel and larger capacity. Price, \$6.00. Weight, 20 lbs.

**"Red Chief" Grinding Mill**—No. 10. This mill has greater capacity than the No. 1 Mill, and makes an excellent coffee and spice mill for grocers' or family use, as well as being a very rapid grinder of chicken feed or meal. Weight, 35 lbs.; capacity, 2 to 4 bus. per hour. Price, \$7.50 with stand.



No. 5 Red Chief Mill

## "Red Chief" Corn Sheller

Fig. 6. This sheller is guaranteed to do good work. It is heavy in construction, with patent oval-shaped teeth, which are so arranged to shell more rapidly and avoid injuring the grain, thus making it safe for shelling seed corn. Adjusts itself to any size ear. Price, each, \$2.25. Weight, 12 lbs.

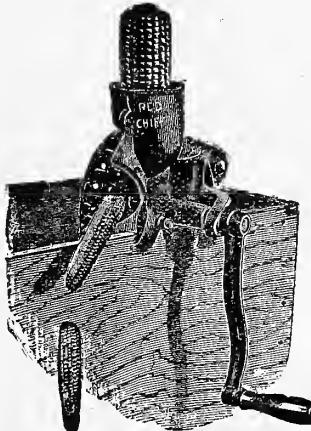


Fig. 6

## FEED CUTTERS, CORN SHELLERS, ETC.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE ON ALL MILLS AND CUTTERS



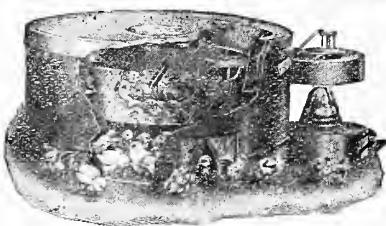
Fig. 5

**Bucb's Hand Lever Feed Cutter**—Fig. 5. This cutter is simple, durable and low priced. It has a 11-in. tempered curved knife which can be adjusted to any length of cut desired up to 3 in.; cuts either green or dry fodder. Price, \$5.50.

**Clover Cutter**—Price with the balance wheel, \$12.50; with the balance wheel and iron stand, \$15.50.

# Simplicity Incubators

"HAVE NO COLD CORNERS"



Yes, sir! Cold corners and cold side walls in old style incubators don't give your eggs a fair chance! If five eggs out of every hundred don't get proper heat it means an appalling loss to poultry raisers each year! A loss of time—valuable hatching eggs—high-priced oil—and of poultry that is needed so badly for food!

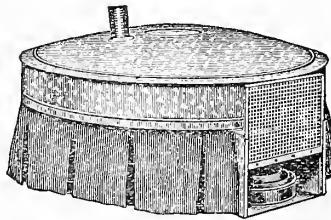
This loss is entirely unnecessary! Simplicity Incubators have no cold corners or cold side walls! Side walls are actually heated! The big, circular hot-water radiator entirely surrounds egg chamber! Heats from side walls to center! That's why EVERY EGG has a chance! That's why it is both the

#### CHEAPEST AND BEST INCUBATOR

you can buy! It brings you dollars in results for every extra penny it costs! On the other hand—flimsy old-style incubators that bring poor hatches of frail chicks—chicks that fall easy victims to the deadly 10-day mortality period—are the costliest incubators you can buy! That's why we say the Simplicity is the cheapest and best of incubators! The new Simplicity book tells you why it is not only simpler, easier to operate—and superior in heating, but tells you some astonishing facts about ventilation and moisture that you never read before! Order direct from this advertisement—or if you prefer, ask for the FREE Simplicity book!

50-Egg Simplicity Incubator	.....	\$15.00
100-Egg Simplicity Incubator	.....	23.00
150-Egg Simplicity Incubator	.....	26.00

#### THE "COZY" HOVER



If you hatch chicks—either the Mother Hen Way—or the Incubator Way—I want you to read about this indoor hover! It's really got mother hen herself outclassed! No trampled—no lost—no crowded out chicks!

Our special new folder-catalog of hovers and brooders tells all about it! Tells how cleverly the heating is done! Why chicks don't crowd to center! Why trampled chicks

—and smothered chicks—are unknown in this hover! Why it duplicates mother hen so closely! How it maintains the temperature even in coldest weather! Cares for fifty to seventy-five chicks without crowding.

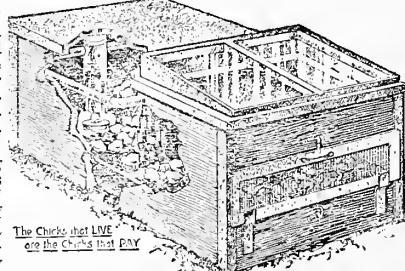
See this hover in our window with chicks. Or write for new folder-catalog! The price of the "Cozy" Hover is \$10.00.

#### NONE-SUCH BROODER

This is an outdoor brooder that you know you can depend on! It has been tried and tested for years! We claim it to be as far ahead of ordinary brooders as the Simplicity Incubator is ahead of ordinary incubators!

Our new folder-catalog of brooders and hovers describes it in detail! Tells why it's made of genuine cypress—a costly but decay-resistant material! Why there's a warm and cool end—but no drafts! How it will care for 150 small chicks—or 50 two-pound chickens without crowding.

Write for folder-catalog today! The price of the None-Such is \$24.00.



The Chicks that LIVE are the Chicks that PAY

#### SUPERIOR HOT-WATER INCUBATORS

These machines are exactly what the name says. They are an exceptional value for the price.

The Incubator case is of wood, attractively finished in golden brown, with brass trimmings. Walls are double with air-space insulation.

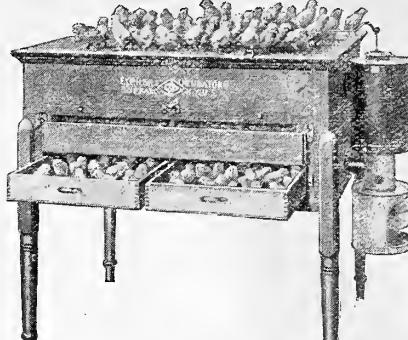
The boiler is of heavy-weight polished copper and so is the tubular tank, in which there is a forced circulation of water—a decidedly valuable feature that is not secured, as a rule, in hot-water incubators.

Lamp has seamless bottom bowl. Burner is best on market for incubator use and chimney is of metal, constructed without solder.

They also have all the other good features of the Cyphers Incubator.

Are built in two sizes: 65 eggs, price complete, \$13.00; 130 eggs, price complete, \$18.00. Prices subject to change.

#### STANDARD CYPHERS INCUBATORS PRICES SUBJECT TO CHANGE WITHOUT NOTICE.



CYPHERS INCUBATORS are built to last. With proper care—the same care you would give valuable piece of household furniture. A Standard Cypher will last an ordinary lifetime. They are guaranteed by us for ten years without repairs. We make them guarantee because they have lasted much longer than this—and are still doing fine class work.

70 eggs, price complete, \$20.00; 144 eggs, price complete, \$32.75; 244 eggs, price, complete, \$47.00; 390 eggs, \$56.00. Prices subject to change.

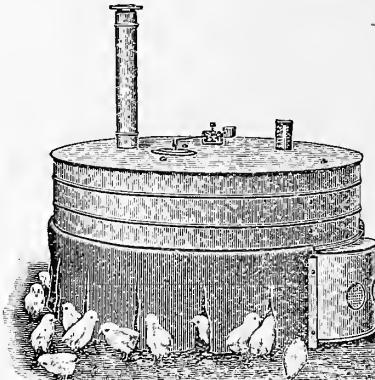
CYPHERS COLUMBIA INCUBATORS embody the Cypher Company patented diffusive principle of heat mixture and uniform circulation and are self-ventilating.

Both sizes of COLUMBIAS are equipped with regular Cypher zinc-and-steel, toggle-joint standard regulating device, the same exactly as has been used on Cyphers Incubators for years worldwide success.

Ample room exists under each tray as a nursery space for the chicks first to hatch.

COLUMBIA INCUBATORS are both self-ventilating and self-regulating and when operated under normal atmospheric conditions they do not require supplied moisture. Are made two sizes: 140 eggs, price complete, \$18.00; 250 eggs, price complete, \$25.00. Prices subject to change.

#### CYPHERS PORTABLE HOVER



This Portable Hover is as its name indicates can be picked up any time, all complete, and moved about without hindering its operation. Very convenient for cleaning and moving. Rated capacity, newly hatched chicks or 50 chicks that are ten days to six weeks old. Made throughout (except curtains of metal, practical) indestructible, a model will last a lifetime with good care.

Price of Cyphers Portable Hover \$14.00.

Style B Brooder ..... \$34.00

CYPHERS COAL-BURNING COLONY HOVER  
60-in. Dome complete with regulating device. Capacity, from 300 to 1,000 chicks. Price, \$25.00.

#### CYPHERS ELECTROBATOR ELECTRIFYING THE POULTRY BUSINESS



Heated by electricity perfectly controlled, their operation is wonderfully simple. Were it not for turning and cooling the Eggs daily, the incubator could be set at 103 degrees and forgotten for three weeks.

No. 1—60 Eggs. Price, \$27  
No. 2—120 Eggs. Price, \$34

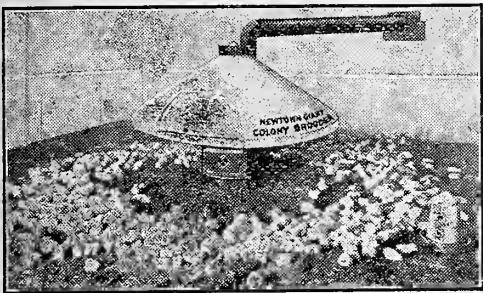
CYPHERS ELECTRO HOVER  
Capacity, 75 chicks. Price \$14.00.

IF IN THE MARKET FOR A MAMMOTH INCUBATOR SEE FOR CATALOG

Gentlemen: I raised a fine crop of cabbage from the New Early Seed purchased from you. They came as early as Wakefield and were very large; one weighing 19 pounds.

Yours truly,  
W. E. PEERCE,  
Long Green, Md.

## NEWTON GIANT COLONY BROODER THE ONE PERFECT BROODER



In Operation, Showing 1,000 Chicks. Simplest, Safest and Most Economical

It has thoroughly demonstrated its right to be called "The Perfect Brooder" and is justly claimed to be superior to any Colony Brooder on the market. Through years of practical tests and use under all conditions it has been brought to a point of perfection in the details of construction. The Newton is not an experiment—it has made good. The purchaser of this time-tested Brooder runs no risk; he knows it will give satisfaction. More Newtongs are in successful operation than all other makes of coal-burning Colony Brooders combined.

ze No. 6 —Capacity, 200 to 300.....	\$18.50
ze No. 7 —Capacity, 200 up to 500.....	22.00
ze No. 11 —Capacity, 500 chicks or less.....	31.00
ze No. 11½ —Capacity, 750 chicks or less.....	33.50
ze No. 12 —Capacity, 1,000 chicks or less.....	39.00
18—Oil Burning Blue Flame, Wickless Brooder Hover, diameter 36 inches.....	18.00
25—Oil Burning Blue Flame, Wickless Brooder Hover, diameter 52 inches.....	24.00

Send for descriptive catalogue.

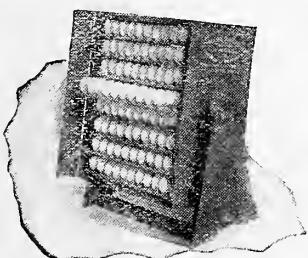
## REVOLVING EGG CABINET

### EGGS INTENDED FOR HATCHING

ould be turned daily, especially warm weather approaches. Eggs for market should be turned every two or three days, they are to be kept any length of time.

Each egg is held in place by a pair of steel wire clips and the racks are removable for cleaning.

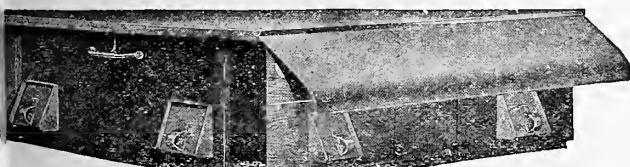
Prices: 150-egg size, \$6.00; 288-egg size, \$8.00.



Revolving Egg Cabinet



The "Lullaby" Brooder



Fireless Brooder No. 8

o. 8 and 10 Mandy Lee Fireless Brooders—California red, good flannel, rubber roofing, and galvanized sheet iron used in its construction; absolute weather-proof. Will last many seasons with little care; can be used in or outdoors, according to the condition of the weather.  
o. 8 will hover 50 chicks. Price, \$4.00.  
o. 10 will accommodate 100 chicks. Price, \$5.00.

## BROOD COOPS FOR HENS WITH CHICKS

The wire park pulls out like a bureau drawer and is made from heavy galvanized hardware cloth. The main coop is made from strong 28 gauge galvanized iron. Size of coop: when park is fully extended as shown in cut, it is 18 inches wide, 19½ inches high and 48 inches long. When park is closed down as shown in cut, it is 24 inches long.

A small door is provided to let small chicks only have full range as desired.

### PROTECTS THE CHICKS FROM HAWKS, RATS, WEASELS, VERMIN, COLD, STORMS, ETC.

Permits the chicks to grow and thrive under natural conditions. The galvanized metal repels lice and mites—that's important. It is so ventilated that when park is pushed in the air circulates freely without admitting rain or snow.

The "Lawn Park" permits the chicks to have plenty of sunshine and fresh air. The Park run-way, being bottomless, lets them range on grass. Plenty of room to feed. No crowding. Can be moved from place to place easily. Coop proper has removable galvanized bottom. It is easily cleaned. Highly sanitary. More chicks live.

### SAVES TIME, WORK AND WORRY.

The coop will save many useless steps. Makes caring for the chickens easy. Chicks are fed and watered in the run-way and here they can feed with no danger of being molested. When you retire you know they are safe. Makes a splendid place to set a hen or break up a broody one.

Price, \$4.00.

### The Delphos Superior Galvanized Brooder Coop

Packed flat and can be put together without any tools. The bottom is elevated so chicks are not exposed to dampness, and it can be removed in an instant to be cleaned. All parts slide together in a bead and coop is perfectly rigid. Can be taken apart and packed away flat, occupying very little space when not in use. Rat and vermin-proof. Lice will not live

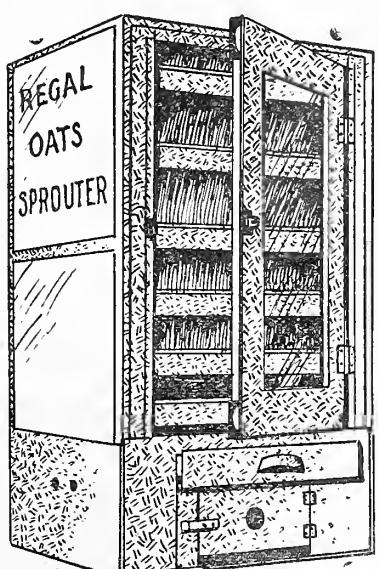
in a metal coop. A perfect shelter for hen and young chicks. Size, 17½x23x19 inches high in front and 16 inches high in back.

Price, \$2.50.

## "REGAL" OATS SPROUTER

The value of this machine can only be appreciated after you have tested it out. No wood is used in its construction, to warp and fall to pieces after a few days' use. Made from the best grade of Galvanized Steel. Double walled with heat flues running the full length inside. Every drop of moisture and drip goes direct into drip pan. This is one of our special features. Another important feature is the taking in of warm, fresh air not supplied by other makes. If directions are followed, there will be no moulding or souring of grain.

Do your part and this machine will make sprouts several inches high in as many days. Absolutely safe and a piece of furniture that will look good in any kitchen. Made to give satisfaction.



Prices on next page.

## PRICES FOR REGAL OAT SPROUTER

	Price Fowls	
No. 1—15x29, 3 trays and soaking tray	\$8.00	50
No. 2—16x23, 4 trays and soaking tray	12.00	100
No. 3—20x22x38, 5 trays and soaking tray	15.00	300
No. 4—24x24x46, 7 trays and soaking tray	17.50	500

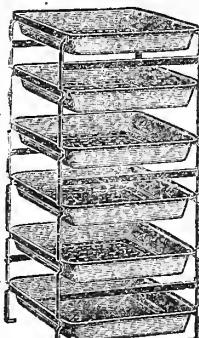
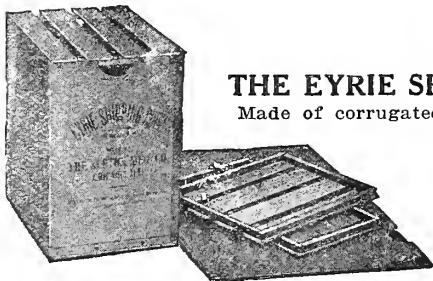


Fig. 1

## NATIONAL OAT SPROUTER

**National Oat Sprouter**—As per illustration, Fig. 1, with proper care will last a lifetime. Price, \$5.50.

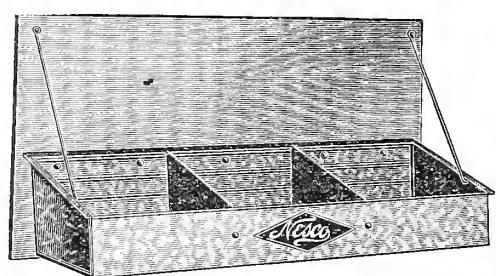


## THE EYRIE SHIPPING COOP

Made of corrugated paper, will carry any

distance, saves expressage and always delivers the contents in good shape. Shipped knocked down, and takes up very little space in stock room.

Capacity	Size	Each	Doz.
B, Single, 12x18x22 in.	Parcel post weight, 7 lbs.	\$0.75	\$7.50
D, Trio, 20x22x22 in.	Parcel post weight, 10 lbs.	1.00	11.00
E, Pen, 20x24x22 in.	Parcel post weight, 12 lbs.	1.25	12.00

NESCO  
NESTABLE  
NEST

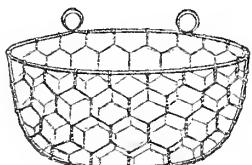
Made of rust proof metal, wire braces and removable partitions.

Price, complete, \$1.00 each.

## WIRE NESTS

These nests are strongly made from coppered wire, reinforced with coppered steel ribs, and will last for years. They are intended to fasten to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean, and are far superior to wooden boxes.

Price: Each, 20c. Parcel Post weight, 1 lb.



## NEWTON PRACTICAL TRAP NEST

The Truly Reliable Detector of the Shirk Hen.

The Practical Trap Nest is a profitable addition to every poultry plant, because it weeds out the drones and cuts down feed bills for the man who wants to keep only those birds that produce.

Made in sections of 1 to 5 nests. Strongly built of good lumber, as light in weight as consistent with strength and durability

—with a trap that works noiselessly and surely.

## PRICES, SHIPPED CRATED, READY FOR USE:

One Complete Single Nest, 14x18x15 in.	\$1.25
One Complete Set of 2 Nests, 27x18x15 in.	2.00
One Complete Set of 3 Nests, 40x18x15 in.	2.75
One Complete Set of 4 Nests, 53x18x15 in.	3.50
One Complete Set of 5 Nests, 67x18x15 in.	4.25

Your order for one or more Practical Trap Nests will receive our prompt attention. Send it now and do away with those birds that produce nothing and eat much.

EGG BOXES,  
CARRIERS,  
ETC.

**"Humpty Dumpty" Egg Carrier**—Fig. 5. A very light, strong and convenient egg crate and carrier. Made of hard wood slats securely fastened. The lid with handle, springs into position when crate is filled. Collapsible. Capacity

Each	Parcel Post Weight
72 Eggs, 6 dozen	40c. 4 lbs.
108 Eggs, 9 dozen	45c. 5 lbs.
144 Eggs, 12 dozen	50c. 7 lbs.

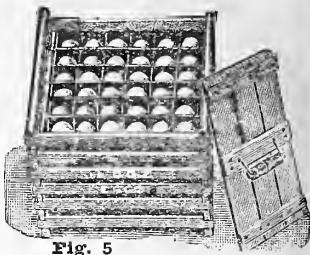


Fig. 5

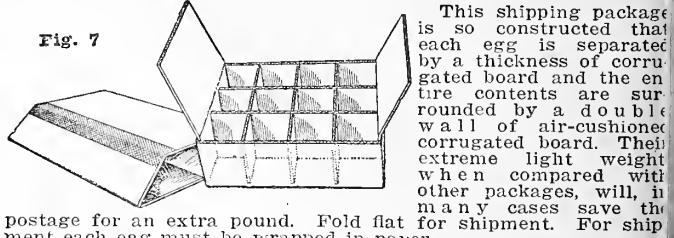
7 lbs.
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## "DIAMOND" SAFE DELIVERY PARCEL POST EGG CARRIERS

Can be used repeatedly for a long time, will stand a pressure of 150 pounds. Each egg is wrapped in tissue which is furnished with the box.

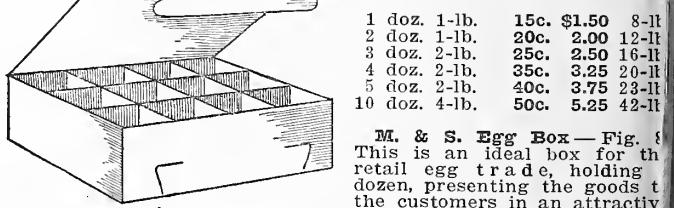
Size	Wt.	Price	Price	Wt.
1 doz.	1-lb.	\$0.25	\$2.50	12-lb
2 doz.	2-lb.	.40	4.20	20-lb
3 doz.	2-lb.	.50	5.45	26-lb
4 doz.	3-lb.	.65	7.00	31-lb
5 doz.	4-lb.	.75	8.45	42-lb
6 doz.	4-lb.	.85	9.50	50-lb
8 doz.	5-lb.	1.00	11.80	58-lb
15 eggs.	2-lb.	.30	3.00	17-lb

## M. &amp; S. EGG BOXES FOR PARCEL POST



This shipping package is so constructed that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of air-cushioned corrugated board. Their extreme light weight when compared with other packages, will, in many cases save the postage for an extra pound. Fold flat for shipment. For shipment each egg must be wrapped in paper.

Size	Wt.	Price	Price	Wt.
1 doz. 1-lb.	15c.	\$1.50	8-lb	1 only 1 only 1 dz. 1 dz
2 doz. 1-lb.	20c.	2.00	12-lb	
3 doz. 2-lb.	25c.	2.50	16-lb	
4 doz. 2-lb.	35c.	3.25	20-lb	
5 doz. 2-lb.	40c.	3.75	23-lb	
10 doz. 4-lb.	50c.	5.25	42-lb	



M. & S. Egg Box—Fig. 8 This is an ideal box for the retail egg trade, holding dozen, presenting the goods to the customers in an attractive package with the minimum

amount of trouble for the seller. compact shape. 15c. per doz.; weight, 2 lbs. \$2.25 per pkg. of 250. 1,000, \$8.25.

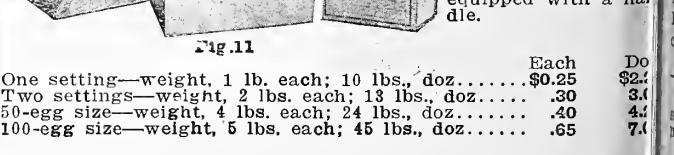
Continental Egg Box—Fig. 9. Eggs packed in these boxes will withstand rough handling and reach the consumer in the best condition. They can be packed neatly in all standard sizes of egg shipping crates: 20c. per doz. Weight, 2 lbs. 100, \$1.50. Weight, 14 lbs. Box of 250, \$3.25.

Egg Case Fillers—Fig. 10. Humpty Dumpty or Regular 15- and 30-dozen Egg Crate Box containing 100 Fillers and Dividers, enough to fill 1 30-dozen Egg Cases, \$2.50; dozen lots, 30c. Weight, 2 lbs.



Each	Doz.
10 lbs., doz.	\$0.25
13 lbs., doz.	.30
24 lbs., doz.	.40
45 lbs., doz.	.65

Anderson's Egg Boxes—Fig. 11. These are made of corrugated paper and are similar in every way to the Eyrie box, except they are not equipped with a handle.



Each Doz.

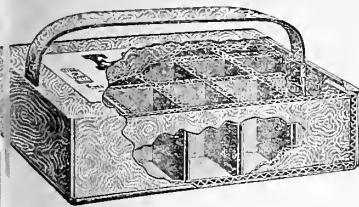
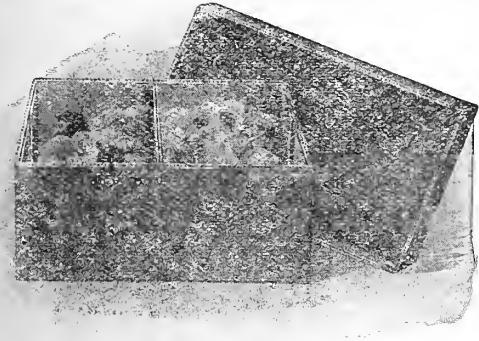


Fig. 2

## CHICK BOXES

**Live Chick Shipping Box**—Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. When shipped knocked down and take up small amount of space.



	Weight of 1 box	Size	Each	Doz.
chicks.....	1	12x 6x5	\$0.25	\$2.50
chicks.....	2	12x12x5	.30	3.00
chicks.....	3	24x12x5	.40	4.25

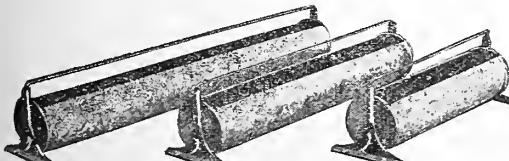
## SCHILD'S LICE KILLING MACHINE

This machine will clean from 20 to 50 little chicks, or 7 to 9 old fowls, at one operation, according to age, size and breed. It will absolutely do no harm to little chicks or laying hens.

1—Small size .....	.....	.....	.....
2—Medium size .....	.....	.....	5.00
3—Large size .....	.....	.....	.....

**Special Powder** for using in this machine, 25c. pkg. 1 pkg. furnished with each machine.

## NORWICH CHICK FEEDER



Positively prevents chicks from wasting the mash, and it is possible for them to get into the feed, thus making it an absolutely sanitary feeder. Top rod removable for filling and cleaning. Ends riveted and burned to brackets. The strongest best Chick Feeder ever placed on the market. Perfection sour milk feeder.

Sometime ago I bought a four-dozen Parcel Post Egg Box for your house. Same made fourteen round-trips between Baltimore and Freeland, Md. In the entire time only two eggs cracked.

Yours truly,  
(Signed) J. W. ERDMAN, Baltimore, Md.

Gentlemen: I have been using your Norwich Automatic Feeders and Fountains in all of my pens for several years. This season I have put in some of your Norwich Dry Mash Hoppers and I must say that I am more than pleased with all three of these lines. It does away with a great deal of labor, and it really makes the feeding of poultry a pleasure.

Yours truly,

J. M. ROBBINS, Fallston, Md.

10-inch—Parcel Post weight, 15 ounces..... \$0.30  
15-inch—Parcel Post weight, 19 ounces..... .35  
20-inch—Parcel Post weight, 23 ounces..... .45  
With Rain Top add 12 cents to list and 7 ounces to weight.

F. O. B. Baltimore, Md.

Can be sent by Parcel Post; add postage for zone.

## THE NORWICH AUTO.

MATIC EXERCISER  
AND FEEDER

Were Awarded Gold and Silver Medal at the Panama-Pacific Exposition.

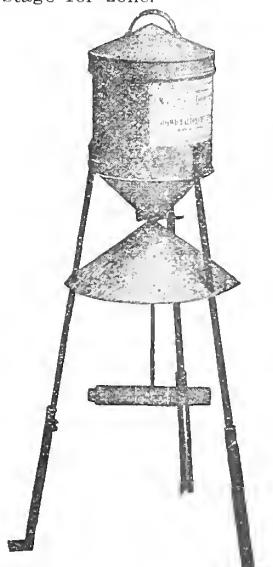
Thousands upon thousands in use in every part of the civilized world. Operate with any grain or mixture; never out of order and will last a lifetime. Saves Grain, saves Labor, saves Time. Increases egg production. Waste, Rain, Rat and Bird proof. Improves the flock. Guaranteed satisfactory in every respect or money refunded.

	Price
No. 1, 8-qt. Hopper wt., 13-lb.	\$3.00
No. 2, 14-qt. Hopper wt., 15-lb.	3.90
No. 3, 20-qt. Hopper wt., 20-lb.	4.90
No. 4, 32-qt. Hopper wt., 27-lb.	6.00

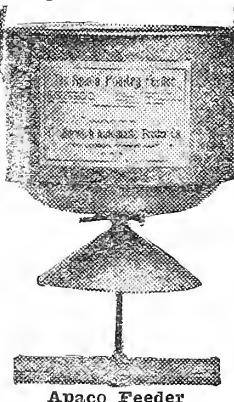
Awarded first prize wherever exhibited.

F. O. B. Baltimore, Md. Discount on quantities.

Can be sent by Parcel Post; add postage for zone.



## THE APACO POULTRY FEEDER



Apaco Feeder

Same mechanical features which have proven so successful in the Norwich Automatic, but of the hanging type. Designed for the small breeder or "backyarder," but not recommended for the commercial plant owing to swaying motion, present in all hanging feeders, if kept constantly in action by larger flocks. Rotary action, complete with the all important adjustable valve for regulating feed discharge, and guaranteed the best automatic feeder on the market at its price.

Made in one size only, 12-qt. capacity. Price, \$1.50. Shipping weight, 5 lbs. F. O. B. Baltimore, Md. Can be sent by Parcel Post; add postage for zone.

## THE NORWICH AUTO MATIC AIRLOCK FOUNTAIN



The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It is a physical and absolute impossibility to contaminate or pollute the water supply, and requires cleaning about once in three months only. Guaranteed frost-proof to ten degrees below zero, and has been operated at twenty-eight below without being effected. Fitted with detachable cup, removable oil chamber, heat generator, etc. Passed by Fire Underwriters.

Made in one size only, 5 gallons capacity. Parcel Post weight, 17 lbs. Complete with Burner Base..... \$6.00  
Without Burner Base..... 4.50

## THE NORWICH AUTOMATIC DRY MASH HOPPER

Illustrated on Next Page. Figs. 1 and 2

The problem of automatic dry mash feeding is completely solved in this wonderful machine. Operated with automatic vibrator rods, clogging is impossible, while the construction of the feed basin eliminates all waste. There is only three-quarters of an inch of mash in the bottom of the basin, the twenty quarts supply being completely protected from the dust and dirt of the house. Mash always fresh and clean and always the same amount before the birds.



Without Rain Guard.



With Rain Guard.

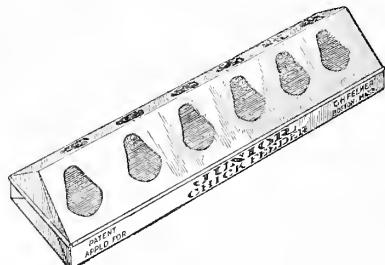
Without Rain Guard; Parcel Post weight, 8 lbs.; capacity, 20 quarts.....	\$2.00
With Rain Guard; Parcel Post weight, 11 1/2 lbs.; capacity, 20 quarts.....	2.75



ATSATT'S CHICK FEEDER

**Atsatt's Chick Feeder**—Very serviceable; galvanized iron; protected top to keep chicks out.

Price, 30c. Parcel Post weight, 1 lb.



### FELKER'S JR. CHICK FEEDER

Feeds dry mash and grain as well as sour milk or water.

Price, 30c. each.

Parcel Post weight, 2 lbs.

### SANITARY FOUNTAINS AND HOPPERS FOR POULTRY



**"Peerless" Drinking Fountain** keeps the water clean and pure. 1-qt., brooder size, 40c.; 5-qt., 75c.; 10-qt., \$1.10; 5-qt. size with a heater (Fig. 2), to keep water from freezing, \$2.00; 10-qt., \$2.50; 5-qt. Heater alone, \$1.40; 10-qt. Heater alone, \$1.60.

Weights on Peerless Goods: 5-qt., 3 lbs.; 10-qt., 4 lbs.; 5-qt., with Heater, 4 lbs.; 10-qt., with Heater, 6 lbs.

Fig. 3



Fig. 2

### FELKER'S "1-2-3" POULTRY FEEDER.

Fig. 1.

For dry mash, scraps, shells, grit, charcoal or any poultry feed.

When used for one kind of feed only, take out separator in one end; three kinds, say scraps, shell and grit, put separator in middle, and you have three separate feeders. Price, \$1.10; small size, 75c. Weight, 5 lbs. each.

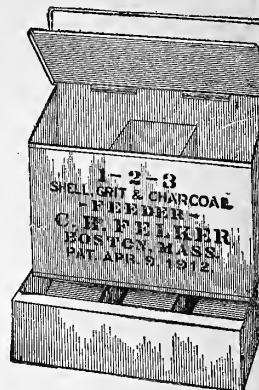
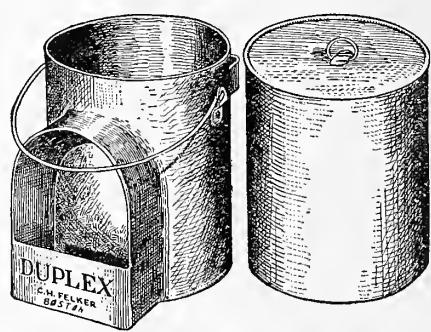


Fig. 1

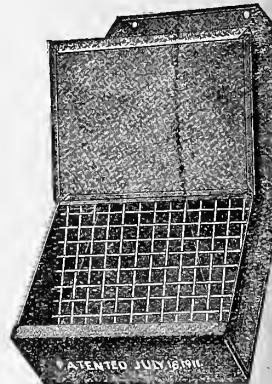
**Felker's Duplex Wall Fountain**—big improvement over the old style Wall Fountain. Made in two pieces, as per illustration, out of galvanized iron. Easy to clean, dead a space between cover and reservoir keeps water cool in summer and from freezing in moderate winter weather. Price 4-qt. size, 80c., 3 lbs. 8-qt. size, \$1.10, 4 lbs.



made in one piece, 4-qt. size, 75c.; 10-qt. size, \$1.00. Weight same as above.



Closed



Open

**Sexton's Dry Feed Hopper**—Easy to fill and no waste. Pronounced to be the best hopper offered. Simple in construction, easily operated, and absolutely rat, mouse and dust-proof. N. 1, poultry size, \$1.50 each. Weight, 7 lbs.

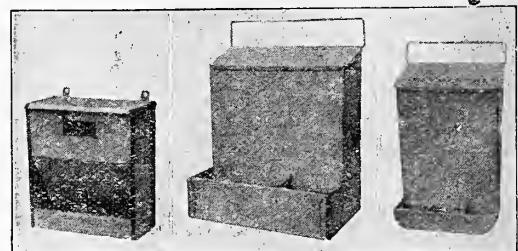


Fig. 4



Fig. 5



Fig. 6

Continued on next page

**Straight Front Dr. Hood Hopper**—Fig. 5. A least as good as any other straight front, which causes the contents feed readily. Lip in front. Wire bars keep the fowls from getting out.

wasting food. Two compartments. Price, 75c. Weight, 4 lbs. **Round Bottom Grit and Shell Box**—Fig. 6. Round bottom—a feature absolutely new to grit and shell boxes. No clogging of grit and shell in the corners. Easily the most satisfactory grit and shell box ever placed on the market. Price, 75c. Weight, 3 lbs.

**Rectangular Grit and Shell Boxes**—Fig. 4. Liked by many because dust and straw cannot easily get into the trough. Price, 75c. Weight, 3 lbs.



**Drop - Bottom Founts**—Fig. 8. 28-gauge galvanized steel. Easiest thing in the world to open and clean. Clasp by which the bottom is fastened fits over the small hole under the hood, preventing slopping of water when the fount is handled. Solid brass hinge rod—no rust.

2-quart, weight 2 lbs. .... \$0.75  
1-gallon, weight 2 lbs. .... .90  
2-gallon, weight 4 lbs. .... 1.20

**The Nesco Fountain**, as per illustration, Fig. 9 Impossible for chickens or pigeons to roost on same.

Weight	Price
1-quart....	1 lb. \$0.30
2-quart....	2 lbs. .35
4-quart....	2 lbs. .50
8-quart....	3 lbs. .75

**Nesco No. 0 Chick Fount**, 15c. each; weight, 1 lb.; \$1.25 per dozen; weight, 4 lbs.

Fig. 0

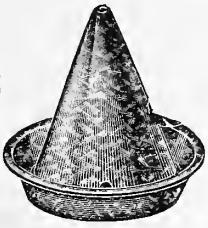


Fig. 9

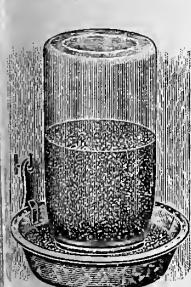


Fig. 10

**No. 10.—No-Slop Feeder and Fountain** combined (as per illustration Fig. 10), to be used with Mason Preserve Jar for either food or water and affords a constant, clean supply. Made of black steel and heavily galvanized. 25c. each, weight 1 lb.; \$2.00 per dozen, weight 6 lbs.

#### THE PROPER FEEDER FOR "Lay or Bust" DRY-MASH and PARK & POLLARD GROWING FEED.



These feeders are made of heavy stoneware, are very strong and durable, easily cleaned and never clog. They present the feed in such a manner as to be always easily accessible, and at the same time the birds cannot waste the feed.

For best results the feed should be presented to the birds in two dishes, if the flock contains over a dozen birds, and should be placed somewhere in the middle of the pen where the light will strike into them freely and kept about two-thirds full (one feeder for every dozen birds is a good rule).

Capacity, 6 quarts. Price, 60c. Sent by Express only. **"Apex" Wall Feed Pan**—It can be hung high or low out of the way. Easy to clean. Can be used for feed, grit, etc. Price, 50c. weight, 2 lbs.



**"Apex" Single Chick Feeders**—Are made with hinged top, provided with small rings to hang on wall if desired. Made in four sizes of three, six, nine and twelve holes. Prices, 40c., wgt., 1 lb.; 60c., wgt., 2 lbs.; 75c., wgt., 2 lbs.; \$1.00, wgt., 3 lbs.



**"Apex" Double Chick Feeders**—Are made with the readily removable patent slip top. Chicks can feed from both sides. Made in three sizes of six, ten and fourteen holes. Prices, 60c., wgt., 2 lbs.; 75c., wgt., 3 lbs.; \$1.00, wgt., 4 lbs.



**"Apex" Duck Fountain**—This fountain has been constructed along the lines of the "Apex" feeders, without, however, having the "Apex" bottom. The duck can readily drink, but cannot get the bill into the water for enough to "wallow." Two sizes, 2 qt., 65c., wgt., 2 lbs., and 4 qts., 90c., wgt., 3 lbs.

#### CHICKEN AND PIGEON LEG BANDS

##### ALL POSTPAID

Mark your old hens to distinguish them from pullets, so that you can catch the right one to kill at the first grab.

Table of sizes of bands for different breeds. Order by number.

**No. 1**—Bantams and small Mediterranean females, etc.

**No. 2**—Ordinary Mediterranean and pit game females, etc.

**No. 3**—Mediterranean males, American females, pit game males.

**No. 4**—American males, medium Asiatic females, turkey hens, etc.

Fig. 5

**No. 5**—Ordinary large Asiatics and tom turks, etc.

**"Spir-Ol" Leg Bands** are made of celluloid in different colors; black, white, light blue, dark blue, red, green, yellow, brown, etc. Prices: Three Poultry Sizes to correspond with Nos. 2, 3 and 4 in above list; 12, 15c.; 50, 60c.; 100, \$1.00; 500, \$4.00. Pigeon and Day Old Chick Size; 12, 15c.; 25, 25c.; 50, 40c.; 100, 65c.; 500, \$3.00.



Double-Clinch

**"Smith Sealed" Bands**—If you want the best be sure you get "Smith Sealed" stock numbered bands. Every band is numbered different. Prices, Dozen, 30c.; 25, 50c.; 50, \$1.00; 100, \$1.50; 250, \$3.50; 500, \$6.50; 1,000, \$12.50. Sizes as table above.



Sealers, for sealing S. S. Bands—Plain, 60c.; lettered jaw, 70c.; nickel plated, 75c.; lettered jaw, 85c.

**"Double-Clinch" Leg Bands**—Made in sizes as table. A strictly reliable open or removable band. Fastens with two clinches, leaving absolutely no exposed corners, ends or loops to come loose. Prices, Dozen, 20c.; 25, 30c.; 50, 45c.; 100, 75c.; 250, \$1.75; 500, \$6.00.

**"Challenge" Adjustable Leg Bands**—Similar to Champion. Latest and best adjustable leg band out. Has neatest, most compact and smoothest fastening of any adjustable band on the market. Prices, Dozen, 20c.; 25, 30c.; 50, 45c.; 100, 75c.; 250, \$1.75; 500, \$2.75.

#### CHAMPION LEG BAND



Fig. 2

\$1.50; 500, \$2.75; 1,000, \$5.25.

**"Climax" Leg Bands**—Fig. 5. The original "Spring" wire and clasp band. Prices, Dozen, 20c.; 25, 30c.; 50, 45c.; 100, 75c.; 250, \$1.75; 500, \$3.25. Made in sizes as table above.

**"Colored" Eclipse Poultry Bands**—Made in twelve colors. Black numbers on white ground on two sides of the band; can be read at several feet distance. Prices, Dozen, 40c.; 25, 80c.; 50, \$1.50; 100, \$2.75.

**Seamless Pigeon Bands**—Made in three sizes. Prices, Dozen, 30c.; 25, 50c.; 100, \$1.50.

**Open Chick or Pigeon Bands**—Made in two sizes. Prices, Dozen, 20c.; 25, 30c.; 50, 45c.; 100, 75c. Fig. 6.

**Coloroid Three Number Pigeon Bands**—Fig. 7. This band is the most visible, most effective and practical numbered leg band made, in colors that can be seen at a distance. Prices, 6 pairs, 35c.; 12 pairs, 65c.; 25 pairs, \$1.15; 50 pairs, \$1.75.

Mr. L. M. Webb, No. 3 Hayward Avenue, Arlington, Md., tells us that Park & Pollard's Foods are the only ones to feed.



Fig. 6



Fig. 7

**Ideal De Luxe Pigeon Bands**—Two colors on each band, all colors for marking mated pairs. Prices, 6 pairs, 35c.; 12 pairs, 65c.; 25 pairs, \$1.15; 50 pairs, \$1.75.



for ten months. One gallon makes sufficient solution for 50 dozen. Do not trust eggs to water glass of inferior strength. Buy Sterlingworth Water Glass, the pure, strong kind. It will stand the maximum amount of dilution with water. Don't take chances.

Price, 1 quart, 50c.; 1 gallon, \$1.25.

### EGG-O-LATUM—Keeps Fresh Eggs Fresh For One Year

**EGG-O-LATUM** is a white cerate or ointment. Rubbed over the shell of the egg it seals every pore so that nothing can get in or out. The egg does not dry out. No air, moisture, odors, or germs can get in. The egg is preserved in all its original freshness. The application of Egg-o-latum is easily and quickly done. A dozen per minute. Fresh eggs must be used, preferably unfertilized. Per jar, 50c., postpaid. Enough for 50 dozen eggs.

### NEST EGGS, RAT DESTROYERS

**Lime Stone Nest Eggs**—Very natural; will last a long time 5c. each; 50c. dozen. Weight, 1 dozen, 2 lbs.

**Opal Nest Egg**—Prices, 3c. each; 2 for 5c.; dozen, 25c. Special price on quantities. Weight, 1 dozen, 1 lb.



**Young's Rat Destroyer**—Don't suffer with the damaging rats. We sell this destroyer like all our other merchandise, on the money back plan. Get your money back if it does not drive every rat off the place. Price, 25c.; express collect. Cannot be sent by mail.

**Rat Corn**—Per Can, 25c., 50c. and \$1.00. Kills the rats in your poultry yard without odor. "It mummies them." Postpaid.

**Poultry Roup Syringe**—10c. postpaid.



**Mehler Scraper**—Positively the best and handiest tool which has ever been offered to Poultry Keepers. Works both ways coming and going. Made of the very best hard pressed steel. Price, \$1.25.

Mrs. R. L. de Potestad, of Ellicott City, Md., says: "I find the Park & Pollard foods excellent and cheaper in the end than the less expensive foods I have tried."



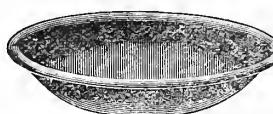
### PIGEON NESTS, EGG TESTERS, ETC.

#### Feed Cups for Exhibition and Training Cages—

Fig. 2. Large size, 25c. each, \$2.50 dozen; small size, 20c. each, \$2.00 dozen. Weight, each, 1 lb.



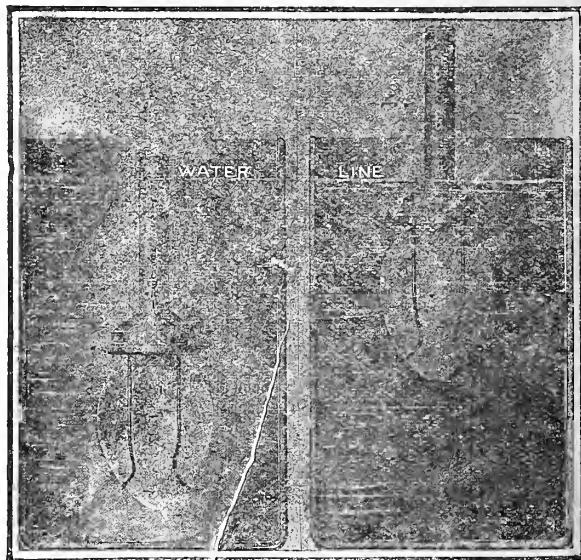
Fig. 2



#### Indurated Fibre Pigeon Nest

Fills a long-felt want for all squab breeders. Price, 25c. each; weight, 1 lb.; \$2.50 per dozen; weight, 9 1

**Magic Egg Tester**—Guaranteed to tell fertility of eggs before putting them in incubator or under hen. No poultry man should be without it. Price, \$2.00, postpaid.



No. 1 shows a perfect fertile egg fit for hatching.

No. 2 shows egg not fit for hatching, but better for table.

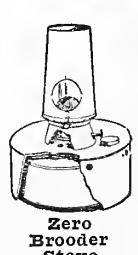


X-Ray Egg Tester

**X-Ray Egg Tester**—Price, 30c. each. Mailing weight, 1 lb.

**Vermilion Proof Roost Support**—Price, 25c. each. Mailing weight, 2 lbs.

**Blue Flame Gas Burner for Incubators**—Price, 75c. each, postpaid.



**"Zero" Brooder Stove**—Brooders all complete. Price, \$1.60. Weight, 3 lbs. **Incubator Wicks**—State sizes wanted. Price, 2 for 5c.; dozen, 25c., postpaid.

**Brooder Wicks**—State sizes wanted. Price, 5c.; dozen, 25c., postpaid.

**Incubator and Brooder Lamp Burners**—"Mandy Lee," Cyphers, Essex, Prairie State and other makes. Large size, 75c.; small size, 50c. Mailing weight, either size, 1 lb.

**Incubator and Brooder Tanks**—Small size, large size, 75c. This does not include burner. State size of burner wanted.

**"Zenith" Chimneyless Brooder Lamp Burner**—Price, 50c. Mailing weight, 1 lb.

Mr. H. H. Seabrook, Sylvenside, Md., says: "Your Regal Sprouter is fine, produces quickly and does not mold the grain."



Felt—For Incubator Diaphragms and Brooders—Price, 50c. square yard, postpaid.

Weather-proof Sheeting—Valuable for curtains on poultry house fronts. Keeps out rain and drafts, but permits light. Price, heavy grade, 25c. yard, postpaid.

We carry Cyphers, Cycle Hatcher and other brooder and incubator repairs.

## INCUBATOR THERMOMETERS, CAPONIZING SETS, ETC.

ALL POSTPAID

Cyphers Incubator Thermometer, 90c.

Cyphers Adaptable Hover Thermometer, 90c.

Cyphers Portable Hover Thermometer, 90c.

"Tycos" Incubator Thermometer, No. 5770—Many poultry raisers prefer the standing type of Incubator Thermometer. No. 5770 is made with metal legs, which fold under and may be adjusted to almost any desired position. Sets in among the eggs on the floor of the incubator. Made in mercury tubes only. Price, 90c. each.

"Tycos" Incubator Thermometer, No. 5774—Most popular. Suitable for any incubator. Price, 90c.

"Tycos" Certified Incubator Thermometers, No. 5782—Price, \$1.25.

"Tycos" Electric Lighted Incubator Thermometer—Price, \$3.25 complete.

"Tycos" Brooder Thermometer, No. 5790—Mounted. Price, 90c.



No. 5782

Thermometer

Pilling-Farmer—In velvet-lined box..... \$3.75

Pilling-Special—In velvet-lined box..... 5.00

Pilling-Twinning—In velvet-lined box..... 5.00

Gape Worm Extractors—Price, 35c., postpaid.



When we tell you our Dry-Mash makes them "Lay or Bust" every time, at all seasons of the year—we mean what we say. It is impossible for a healthy hen to eat our Dry-Mash and not lay. **Lb. 5c.; 100 lbs., \$4.50.** Prices on Feeds subject to market changes.

**Park & Pollard Screened Feed**—This mixture is so carefully blended and proportioned that no fear of overfeeding need be entertained. Scratch Feeds are usually made the dump of refuse grains that cannot be sold in the open market, and when making comparison of prices, keep in mind that every kernel of grain in our feed is sweet, and that there are no sweepings or weed seed contained. **Lb. 6c.; 100 lbs., \$4.85.**

**Pontiac Scratch Food**—**Lb. 5c.; 100 lbs., \$4.75.**

**Park & Pollard Growing Feed**—Stuff your youngsters with it and your chickens will always be ready for the table or market and show you better returns than ever before. As a moulting food for all old stock and a pusher for the developing pullets it is recognized as the best by all poultrymen who have used it. **Lb. 6c.; 100 lbs., \$5.00.**

**Park & Pollard Intermediate Chick Feed**—Keeping the commercial end of poultry always in mind, we manufacture the "Intermediate" Chick Feed, selling at a less price than Gritless Chick Feed. This contains the same high quality grain and seeds, but no fish. It is fed after the chicks are five weeks of age, being fed in connection with our Growing Feed. **Lb. 6c.; 100 lbs., \$5.50.**

**Park & Pollard Baby Buster Chick Feed**—Contains a better variety of grains and seeds, and of a higher quality than any

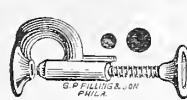


Fig. 5



Fig. 6



Fig. 7

**Philadelphia Poultry Marker**—Large and small. Price, 35c., postpaid. Fig. 5.

**Poultry Marker**—In shape of pliers. Price, 35c., postpaid. Fig. 6.

**Pilling Fowl Catcher**—Price, 30c., postpaid. Fig. 7.

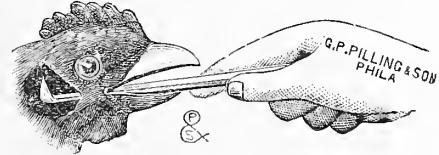


Fig. 7

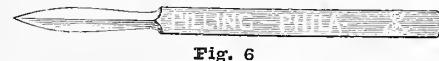


Fig. 6

All the above postpaid.

**The Disinfectant That Paints**—Use it instead of Whitewash. Put on with brush or sprayer. A snow-white cold water paint that will not blister, flake or peel off, combined with a germicide 20 times stronger than carbolic acid, but neither caustic nor poisonous.



Particularly good for use in stables, cow barns, chicken coops, dairies, hog pens, creameries, cellars, factories, outbuildings. Prices: Trial package, by parcel post, 25c.—Paints and disinfects 250 square feet. 10 pounds (10 gallons) for \$1.00.

## ANTI-SETTING DEVICE—Stops the Hen Setting

Breaks 'Em Up In 24 Hours (Patent Applied For)

Does not in any way injure the fowl. Requires five seconds to apply. Wrap around the leg joint blank sides front and back; allow the hen to feed and run with the flock 24 hours, then remove. It will change her setting ideas, and put her on the layers list in the shortest possible time. Does away with broodie coops and the extra care tending them. Poultry keepers, large and small cannot afford to do without it. So simple and effective you will wonder why you had not thought of it. Guaranteed to do all we claim. Saves dollars that only cost cents. Try it. Prices, 10c. each; dozen, \$1.00, postpaid.

## POULTRY FEEDS, GRIT, SHELLS, ETC.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

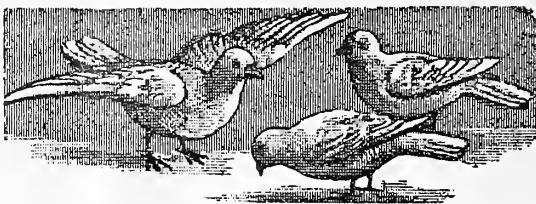
other feed on the market, and in addition to this superior assortment of grains and seeds, it contains animal food in the form of dried shredded codfish, supplying protein, lime and phosphorus in the right proportions. The fish we use being put through a special preparatory process that eliminates all the fat; it supplies the newly hatched birds at the crucial age when most needed, with animal protein, without the animal fat. **Lb. 6c.; 100 lbs., \$5.50.**

**Park & Pollard Red Ribbon Chick Feed**—If you feel you cannot afford Gritless Chick Feed, try out Red Ribbon brand. This will raise more chickens than any other feed except Gritless Chick Feed. It is manufactured just as carefully as our famous Gritless Chick Feed, but leaving out the animal food reduces the cost. **100 lbs., \$5.00.**

## VARIOUS POULTRY AND PIGEON FOOD

	Per lb.	Per lb.	
Whole Corn	5c.	Linseed Meal	6c.
Cracked Corn	5c.	Kaffir Corn	6c.
Corn Chop	6c.	Canad. Peas	8c.
Oats	5c.	Buckwheat	6c.
Barley	5c.	Cracked Rice	6c.
Bran	5c.	Hemp Seed	15c.
Middlings	5c.	Millet Seed	10c.
Gluten Meal	6c.	Hulled Oats	7c.
Cotton Seed Meal	6c.	Sunflower Seed	15c.
		Rolled Oats	10c.

Prices on larger quantities furnished on application.



**Mixed Pigeon Food**—Composed of recleaned, sound and sweet grains and seeds in a great variety. The 1912 and 1914 Baltimore Poultry and Pigeon Show was fed with this food. Price, 1 lb., 7c.; 100 lbs., \$5.50.

**Tobacco Stems**—Price, 3c. lb., 100 lbs., \$1.75. Special price on quantity.

**Beef Meat or (Beef Scrap)**—Lb., 7c.; 100 lbs., \$5.75.

**Crushed Oyster Shell**—Important as an egg-shell maker. Price, 2½c. lb.; \$1.25 per 100 lbs. Two sizes, fine and coarse. Special price on quantity.

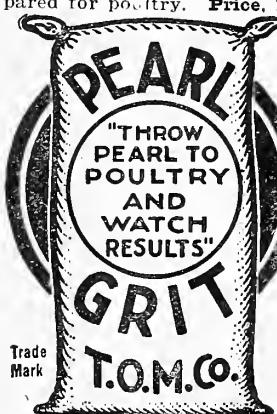
**Storage Can**—Fig. 1. Galvanized, deep cover, rat and damp-proof. Excellent for storing grain or dry mash. Capacity, 2 bushels. Price, \$4.00.

**Charcoal**—Aids digestion and promotes health. Fine, Medium, Coarse. Prices: Lb., 10c.; 50 lbs., \$2.25.

**Alfalfa Clover**—Dustless, short-cut, pure alfalfa, specially prepared for poultry. Price, 1 lb., 5c.; 100 lbs., \$3.25.



Fig. 1



**Pearl Grit**—For more eggs and healthy fowls use Pearl Grit. It serves a double purpose—grinds, nourishes, strengthens, and makes shell. No. 1 for chicks and pigeons; No. 2, medium poultry; No. 3, large poultry. Price, 2½c. lb.; 100 lbs., \$1.25. Special price on quantity.



"RED CROSS" **HEALTH GRIT**  
For pigeons and poultry. Price, 4c. lb.; 50 lbs., \$1.25; 100 lbs., \$2.25.

### SONG BIRD SUPPLIES

Lb.	Lb.
Canary Seed . . . . .	30c.
Bird Rape . . . . .	25c.
Millet . . . . .	15c.

Special price in quantities.

**Cuttle Fish Bone**—Price, 5c. each; 75c. lb.  
**"Gloria" Song-Restorer Food**—This is an important article which is scientifically proportioned and has been fed with great success. Price, 1 lb., 35c.

**For-get-me-not, Wild Bird, Seed Mixture**—Feed the little songsters in the winter time. 15c. lb.

**Park & Pollard Bird Lice Powder**—A most effective remedy for killing lice and fleas on birds, cats, dogs, monkeys, rabbits, etc. Price, 25c.

Gravel for Canaries and other birds. Very necessary; what we offer is sifted and free from all dust. 5 lbs.

Special price on quantities.



A Reliable Medicine for Loss of Song, Asthma or Hard Breathing, Diarrhoea, Moultling Out of Season, and Those Troubles Arising from Colds or Exposure of Cage Birds. It is a liquid and is administered in the drinking water. Don't be disengaged if your bird is failing. Full directions on bottle.

**PRICE** . . . . . 25 cents.

### M. & S. RUSTIC AND ORNAMENTAL BIRD HOUSES

Comparatively few of us recognize the great economic value of birds. Particularly the Blue-Birds, House Wrens, and Martins are very easily domesticated. Their favorite nesting sites are bird-houses made for their use which may be placed above the garden, farm, or orchard. As rent, these faithful birds pay amply, by destroying millions of insects annually. Birds tame more kindly to old-looking houses. A little weather beaten

giving them a more natural appearance. The earlier in the spring you get them up the better. The main things to remember if we wish to attract the birds, are that we must furnish them with proper nesting places, shelter, food and water and protect them at all times from the enemies.

**The Tepee**—A very artistic hanging wren house, suitable for decorative porch. Price, \$1.50.

**The Bungalow**—Fig. 1. A very attractive house and especially popular with the wrens. This bracket house can be put up almost anywhere. Price, \$1.50.

**The Log Cabin**—A swinging house, very popular. Price, \$1.50.

**The Gables**—A wren house. Similar to blue-bird house. Price, \$1.00.

**The Shack**—Another attractive wren house. Price, \$1.50.

**Woodpecker House**—Woodpeckers are especially beneficial in orchards or about fruit trees. You will want several of this style. Price, \$1.50.

**Blue-Bird House**—Fig. 2. Price, \$1.50.

All the above houses are heavy and it is advisable to send them by express.

**Clay Wren Box**—15c. each. Weight, 2 lbs.

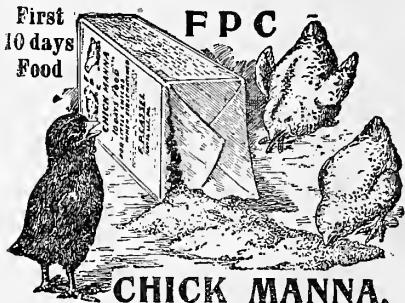


Fig. 2

**Chick Manna**—Every poultry raiser should understand the value of this feed for starting the chicks and turkeys strong, vigorous and well developed. It is specially prepared for bringing the frail little creature through the most critical period—the first days—by regulating a strengthening their fine and tender organs, thereby being better able to withstand the diseases they are subject to. Is a complete food in every respect, requiring nothing more for the first ten days than chick manna. Prices, 1-lb. pkg., 18c.; 3-lb. pkg., 50c.; 5-lb. pkg., 80c.; 15-lb. pkg., \$2.50; 60-lb. bulk case, \$8.00; 100-lb. bulk case, \$13.50.

### PRATT'S REMEDIES



**Pratt's Poultry Regulator**—In by the most successful poultry raisers everywhere. Pkg., 12c., 30c., a 60c., shipping weight, 1, 2 and 5 lbs. respectively. 12-lb. pail, \$1.75; 25-pail, \$3.00.

**Pratt's Round Remedy**—Pills powder. Price, 25c., 50c. and \$1. postpaid.

**Pratt's White Diarrhoea Remedy**—Price, 25c. and 50c., postpaid.

**Pratt's Cholera Remedy**—Price, 25c. and 50c., postpaid.

**Pratt's Gape Remedy**—Price, 30c. and 60c., postpaid.

**Pratt's Bronchitis Remedy**—Price, 25c. and 50c., postpaid.

**Pratt's Chicken Pox Remedy**—Price, 25c. and 50c., postpaid.

**Pratt's Condition Tablets**—Price, 25c. and 50c., postpaid.

**Pratt's Head Lice Ointment**—Price, 25c., postpaid.

**Pratt's Scaly Leg Remedy**—Price, 25c. and 50c., postpaid.

**Pratt's Poultry Disinfectant Lice Killer and Dip**—1 qt., 50c.; 2 qts., 90c.; 1 gal., \$1.50. Liquid.

**Pratt's Lice Killer**—Powdered form. Price, 12c., 30c. and 60c. shipping weight 1, 2 and 4 lbs., respectively.



## PRATT'S BABY CHICK FOOD

Every man, woman or child who raises little chicks, turkeys, ducks and geese should try at least one package of Pratt's Baby Chick Food. It is a scientific food ration to be fed for the first two weeks. Put up in 15c., 30c. and 60c. pkgs., shipping weight 2, 4 and 7 lbs., respectively; also 25-lb., 50-lb. and 100-lb. bags, \$2.25, \$4.00 and \$7.50, respectively.



## SULPHUR FUMIGATING CANDLES

A Microbe and germ killer. Also lice and mite destroyer. Is put up in original form with wick ready for the match. 15c. each, parcel post weight, 1 lb.

"American" Turkey Powder—It is sure to raise your young turkeys to healthy birds. For poultry and pigeons. Shipping weight, 2 lbs. Price, 30c.

Margaret Mahaney Black Head Remedy—For turkeys; sure cure. Price, \$1.00, postpaid.

Model Salt Cat Erick—For poultry and pigeons. Shipping weight, 2 lbs. Price, 15c.

Mrs. Haven's Baby Chick Remedy—Guaranteed to cure white diarrhoea. Price, 25c.; by mail, 30c.

Dr. Hess' Poultry Pan-a-cea—Guaranteed tonic and egg producer. 1½-lb. pkg., 30c.; 6-lb. pkg., 75c.; 12-lb. pkg., \$1.50; 25-lb. pail, \$3.00.

Dr. Hess' Instant Louse Killer—Shipping weight, 2 lbs. and 3 lbs. Price, 30c. and 60c. pkgs.

Dr. Hess' Disinfectant and Dip—1-pt. bottle, 50c.; 1 qt., 75c.

Cal-Sino Poultry Restorative—Price, 30c. pkg., shipping weight, 2 lbs. 10 lbs., \$1.75; 25 lbs., \$3.50.

Cal-Sino Gape Cure—Sure cure. Price, 30c.; by mail, 35c.

Cal-Sino Lice Powder—Price, 12c. and 25c. pkg., shipping weight, 1 and 2 lbs., respectively.

Cal-Sino Cholera Drops—30c. and 60c. Not mailable. Liquid.

Cal-Sino Roup Remedy—30c.; postpaid, 35c.

Cal-Sino White Diarrhoea Remedy—60c.

Cal-Sino Germ-Ex. All-around Poultry Remedy—60c. Not mailable. Liquid.

Cal-Sino Head Lice Lotion—30c. Not mailable. Liquid.

## DOG FOODS, REMEDIES, ETC.

Corner's Ready-to-Food Cooked Dog Food—The best dog food on the market, in the shape of meal; can be fed dry or wet. We have hundreds of customers who are feeding this food with entire satisfaction. Send for special booklet. Price of food, 3c. lb.; 100 lbs., \$7.50. Price subject to change.

Spratt's Meat Fibrine Vegetable Dog Cakes—A staple food for all breeds; too well known to be described. Price, 15c. lb.; 100 lbs., \$12.00. Price subject to change.

Spratt's Puppy Biscuits—The standard puppy food. 15c. lb.; 100 lbs., \$12.50.

Spratt's Dog Remedies—A remedy for each disease. Send for special booklet.

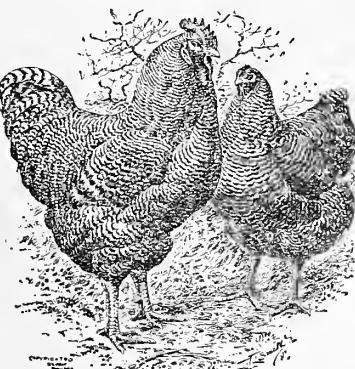
Spratt's White Dog Soap—Death to fleas. Price, 25c., mailing weight, 1 lb.

Vermilax—Guaranteed worm expeller and tonic. Price, bottle, 50c. and \$1.00. Liquid.

Vermilax Dog Remedy—A remedy for each disease. Send for special booklet.

Vermilax Dog Soap—25c. cake, mailing weight, 1 lb.

Cedar Bedding—For dogs, cats, etc. Made of cedar wood shavings. Sanitary and proof against fleas and other vermin. 10c. lb.; 25-lb. bale, \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.50.



## PRICES ON UTILITY EGGS FOR SETTING OR INCUBATORS

Eggs of Single Comb White Leghorn, Barred Rock, Rhode Island Red, both Single and Rose Comb, and White Wyandottes, we can furnish as low as \$2.50 per setting of 15; \$12.00 per 100, f. o. b. our store.

Continued on next page

## EGG-O-HATCH

Egg-O-Hatch is a dry powder. It is mixed with water and the resulting liquid is applied to eggs two or three times during the 21 days of incubation. It is a liquid that does

three things—supplies oxygen for the growing chick; absorbs carbon dioxide given off; makes more brittle and porous the shell of the egg. Per pkg., 50c. postpaid.

## DON SUNG

ENS LAY  
Chinese (Brand)

A wonderful new discovery. Will absolutely increase your egg yield or your money will be promptly refunded. Easily given in the feed. A general tonic, conditioner and regulator. Try it on this Guarantee—More Eggs or No Pay.

Price, 50c. and \$1.00, postpaid.

## OP CHICKS DYING WITH

The standard remedy the world over for White Diarrhoea, Cholera and Roup. Give it in the drinking water. Avicol will pay you.

Used and Endorsed by the World's Leading Poultrymen. Price, 25c., 50c. and \$1.00, postpaid.

## CONKEY'S REMEDIES

Roup Cure, postpaid, 30c., 60c. and \$1.20
Canker Special (Liquid) . . . . . 60
Cholera Cure, postpaid . . . . . 60
Gape Remedy, postpaid . . . . . 60
Limber Neck, postpaid . . . . . 60
Scaly Leg, postpaid . . . . . 30
Poultry Tonic, postpaid . . . . . 30
Chicken Pox, postpaid . . . . . 60
Worm Cure, postpaid . . . . . 60
Head Lice Ointment, postpaid, 15c. and . . . . . 30
Black Head Remedy, postpaid . . . . . 60
White Diarrhoea Remedy, postpaid, 30c. and . . . . . 60
Lice Powder, not postpaid, 15c., 30c., 60c. and . . . . . 1.40
Poultry Tonic—Express not paid, 30c. and 60c.; 12-lb. pail, \$1.60; 25-lb. pail, \$3.00; 50-lb. bag, \$5.00; 100 lbs., 9.50 not paid. Qt., 60c.; 2 qts., 90c.; 4 qts., 50c.
Noxicide Disinfectant—Express not paid. Pt., 50c.; qt., 75c.; 1.25 gal., \$2.00.
Conkey's Buttermilk Starting Food—For Baby Chicks, to be fed for 21 days. 5 lbs., 40c.; 10 lbs., 75c.; 25 lbs., \$3.50; 100 lbs., 50.

THESE PRICES SUBJECT TO CHANGE.

## EE GERMAZONE AND OTHER REMEDIES

EE's Germozone—The best tonic for poultry of all kinds. EE's roup, cholera and other poultry diseases. 12-oz. bottle, 4-oz. bottle, 40c.; in tablet form postpaid, 75c.

EE's Egg Maker—One of the best egg producers and tonic. 1-pkg., shipping weight, 3 lbs.; 75c. pkg., shipping weight, 6 pt.; pail, \$2.00 and \$3.50.

EE's Lice Killer—Qt., 50c.; 2 qts., 75c.; 1 gal., \$1.25. Liquid.

EE's Insect Powder—For poultry. Price, 25c. and 50c. pkg., shipping weight, 2 and 4 lbs., respectively.

French Poultry Mustard—Will increase egg production. 1½-box, 52c.; 3-lb. box, 96c.; 5-lb. box, \$1.52; 10-lb. box, \$3.10; b. pail, \$7.75.

"Zeno-leum" Disinfectant Lice Killer and Animal Dip—We have been selling this article for years and find it most

satisfactory. One gallon makes 100 gallons of fluid. 8 oz., 30c.; 60c.; 1 gal., \$1.75. Liquid.

"Zeno-leum" Lice Powder—Large 18-oz. Pkg., 30c.

"Chemo"—Destroys all insects. It is stainless; can be sprayed on white poultry. A thorough disinfectant. The great

14 Baltimore Poultry Shows were disinfected with "Chemo." 75c.; ½ gal., \$1.25; 1 gal., \$2.25.

**ZENO-LEUM**

## PRICES ON SPECIAL MATING EGGS AND STOCK

Black Minorcas, Andalusians, Anconas, Houdans, Barred, White, Buff and other Plymouth Rocks, Single and Rose Comb Rhode Island Red, Black Langshan, Wyandottes, Buff, White and Black Single Comb Orpington, White, Brown and Buff Single Comb Leghorns.

## Eggs—

Thoroughbred Stock, 15 eggs.....	\$3.00
Thoroughbred Stock, 100 eggs.....	15.00
Exhibition Stock, 15 eggs.....	5.00
Exhibition Extra Quality, 15 eggs.....	7.50

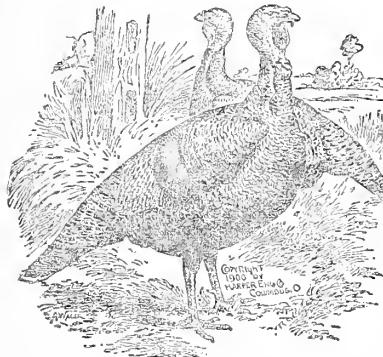
## Stock—

Thoroughbreds, each, from.....	\$3.00 to \$4.00
Thoroughbreds, choice, each.....	5.00
Exhibition Birds .....	\$10.00 to \$25.00

We can furnish most all other varieties of poultry at the above figures, but must always have a week or ten days to furnish stock wanted.

White Pekin and Indian Runner Duck Eggs, \$2.75 and up per setting of 12; \$15.00 per 100.

Prices on Turkey, Geese, Guinea, Pheasant and Pea Fowl Stock and Eggs furnished on application.



Bronze Turkeys.

## MAY—Continued

(Do not require transplanting)—  
Continued

Dianthus (Chinese Pinks)  
Eschscholzia (California Poppy)  
Gaillardia (Blanket Flower)  
Godetia  
Ornamental Gourds  
Helianthus annuus (Miniature Sunflower)  
Hunnemannia fumariaefolia  
Larkspur, Annual  
Lupins, Annual  
Marigold Mignonette  
Morning Glory  
Nasturtium Petunia  
Phlox Drummondii  
Poppy Portulaca

## MARCH

Plant Indoors	Set out	Sow Indoors	Set out
Aggeratum	May 1	Alyssum	May 1
Asters	May 1	Calendula	May 1
Carnation, Marguerite	May 1	Coleus	May 15
Celosia, Cockscomb	May 1	Cosmos, Late	May 1
Cobaea scandens	May 1	Dahlias	May 1
Heliotrope	May 1	Delphinium Chinese	May 15
Hollyhock, Annual	May 1	Gourds, Ornamental	May 1
Lobelia	May 1	Helianthus Sunflower	May 1
Pansy	May 1	Marigold	May 1
Petunia	May 1	Mignonette	May 1
Salvia	May 1	Nicotinias	May 1
Snapdragon	May 1	Phlox Drummondii	May 1
Stocks (Gilliflower)	May 1	Poppy, Iceland	May 15
Verbena	May 1	Ricinus (Castor Oil Plant)	May 10
Wallflower	May 1	Salpiglossis	May 10

## APRIL

All those listed for March may also be planted in April, and, in addition, the following:

## MAY—Continued

(Do not require transplanting)	—Continued
Salpiglossis	Scabiosa
Verbena	Zinnia
(Should be transplanted)	
Asters	Balsam
Celosia (Cockscomb)	Dahlias
Cosmos, Late	Mignonette
Marigold	Ricinus
Nicotiana	

RULES AND TUBEROSE ROOTS	
MAY	Plant Outdoors
Begonias	Montbretias
Caladiums	Paeonies
Cannas	Gladioli
Dahlias	Tuberoses

## VEGETABLES

## APRIL—Continued

Plant Indoors	Set out
Peas, Early Smooth	Onion Sets
Plant Indoors	Set out
Artichoke, Globe	June 1
Cabbage, Early	May 1
Cauliflower, Early	May 15
Celery	June 1
Eggplant	May 15
Kohlrabi	May 1
Lettuce	April 15
Parsley	May 1
Pepper	May 15
Tomato	May 1

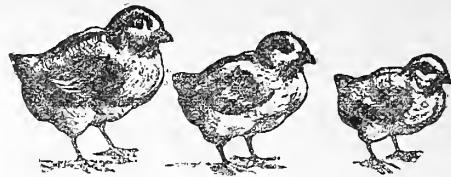
## APRIL

All seeds mentioned in the March table can be started in April, and also the following:

Plant Indoors Set out  
Asparagus, Seeds..... June  
Beets..... May  
Brussels Sprouts..... June  
Cabbage, Late..... June

Plant Indoors	Set out
Beans, Bush	Beans, Pole
Corn, Sugar	Cucumber
Muskmeadow	Watermelon
Okra	Peas, Late
Pumpkin	Squash

## BABY CHICKS



From our  
Maine  
Hatchery we  
can supply  
Baby Chicks of  
the leading va-  
rieties at ver-  
low prices an-  
at short notice.  
Let us quote  
you.

## PRACTICAL POULTRY BOOKS

Practical Poultry Books—(All Postpaid). The Campines, 75c; The Craverton, 75c.; Rhode Island Reds, 75c.; Successful Poultry Keeping, \$1.00; Artificial Incubating and Brooding, 50c.; The Plymouth Rocks, Wyandottes, Leghorns, each, \$1.00; Asiatics, 50c.; Eggs and Egg Farms, 50c.; Poultry House and Fixtures, 75c.; Chick Book, 50c.; Ducks and Geese, 75c.; Turkeys, Their Care and Management, 75c.; Bantam Fowl, 50c.; Reliable Poultry Remedies, 25c.; Egg Record and Account Book, 25c.

The Standard Book of Perfection—Everybody who raises poultry should have one of these books. Price, \$2.00.

Reliable Poultry Journal—A monthly practical poultry magazine; one year's subscription, 50c.; with any of the above book 25c.

## PLANTING CALENDAR

## FLOWERS

## APRIL—Continued

Sow Indoors	Set out
Alyssum	May 1
Calendula	May 1
Coleus	May 15
Cosmos, Late	May 1
Dahlias	May 1
Delphinium Chinese	May 15
Gourds, Ornamental	May 1
Helianthus Sunflower	May 1
Marigold	May 1
Mignonette	May 1
Nicotinias	May 1
Phlox Drummondii	May 1
Poppy, Iceland	May 15
Ricinus (Castor Oil Plant)	May 10
Salpiglossis	May 10
Scabiosa	May 10
Vinca Rosea	May 10
Zinnia	May 1
Sow Outdoors	Sweet Peas,
	Nasturtium

## MAY

This is the month of outdoor sowing and planting; the following list of flowers comprises those which may be sown in the open, and which will mature into perfection before frosty weather sets in:

Sow Outdoors	(Do not require trans-planting)
	Sweet Alyssum
	Calendula
	Calliopsis
	Candytuft
	Centurea (Bachelor's Button)
	Chrysanthemum, Annual
	Clarkia elegans
	Cosmos, Early
	Delphinium Chinese

## JUNE

This is the month to sow perennials. The varieties listed below can easily be grown from seed. All of them may be sown from June till September.

To Remain Where Sown
Alyssum saxatile compactum
Aquilegia (Columbine)
Asters, New England
Coreopsis
Campanula (Bluebells)
Candytuft, Semprevivens
Hibiscus
Lupins
Poppies, Iceland
Poppies, Oriental
Sweet William
Valerian (Garden Heliotrope)

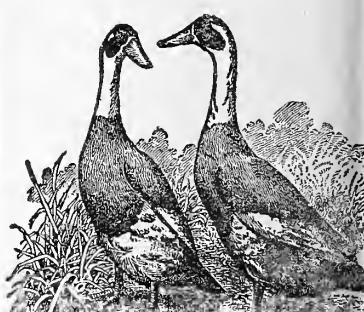
## JULY

This is the most important month for sowing some flower seeds. The following biennials, if sown in July and transplanted in August or September, will flower the following spring. Variety.

Bellis (English Daisies)

Fansies

Myosotis (Forget-me-not)



## MAY—Continued

All the seeds mentioned in the April table may also be sown in May.

Set out early Cabbage, early Cauliflower and Tomato plants started indoors in March and April.

## JUNE

Plant Outdoors

Beans, Late Bush

Beans, Late Pole

Set out globe artichokes, Brussels sprouts, late cabbage, cauliflower, celery, eggplants, and peppers which have started indoors.

Plant Swiss chard, sugar corn, lettuce, late peas, radishes and turnips for late crops.

Indian Runner Ducks.

**WEIGHT OF AGRICULTURAL SEEDS PER BUSHEL, AND QUANTITY USUALLY SOWN PER ACRE**

Weight per Bushel	Quantity per Acre
20 lbs.	Roland Park Lawn Grass..... Kentucky Blue..... Red Top, fancy..... Orchard Grass..... English or Perennial Rye..... Meadow Fescue..... Crested Dog's Tail..... Rhode Island Bent..... Tall Meadow Oat..... Timothy, alone..... Aisike, alone..... Alfalfa, or Lucerne..... White Clover, alone..... Crimson Clover..... German Millet..... Hungarian Millet..... Red Clover..... Wheat, broadcast..... Rye, broadcast..... Oats, broadcast..... Sorghum, drills..... Sorghum, broadcast..... Field Corn, in hills..... Corn, for soiling..... Vetches, broadcast..... Barley, broadcast..... Broom Corn, in hills..... Buckwheat, broadcast.....
60 lbs.	2 1/2 bu..... 50 lbs..... 36 lbs..... 42 lbs..... 40 lbs..... 30 lbs..... 30 lbs..... 50 lbs..... 50 lbs..... 1/2 bu..... 15 lbs..... 20 lbs..... 10 lbs..... 15 to 20 lbs..... 50 lbs..... 50 lbs..... 15 lbs..... 1 1/2 to 2 bu..... 1 1/2 to 2 bu..... 2 to 3 bu..... 1/2 bu..... 1 to 2 bu..... 8 qts..... 1 to 2 bu..... 1 bu..... 2 bu..... 6 to 8 qts..... 1 bu.....
60 lbs.	1 lb..... 2 lb..... 3 lb..... 4 lb..... 5 lb..... 6 lb..... 7 lb..... 8 lb..... 9 lb..... 10 lb.....
60 lbs.	05 06 07 06 08 11 06 07 10 15 07 08 12 19 07 09 14 23 08 10 16 27 08 11 18 31 09 12 20 35 09 13 22 39 10 14 24 43
60 lbs.	11 lb..... 12 lb..... 13 lb..... 14 lb..... 15 lb..... 16 lb..... 17 lb..... 18 lb..... 19 lb..... 20 lb.....
60 lbs.	10 15 26 47 11 16 28 51 11 17 30 55 12 18 32 59 12 19 34 63 13 20 36 67 13 21 38 71 14 22 40 75 14 23 42 79 15 24 44 83

**Liquids and Poisons cannot be sent by Parcel Post.**

Local Zones	50-150	300	600	Miles	Local Zones	50-150	300	600
1&2	3d	4th		1&2	3d	4th		
21 lb.....	16	25	36	lb.....	31	40		
22 lb.....	17	26	37	lb.....	32	41		
23 lb.....	18	27	38	lb.....	33	42		
24 lb.....	19	28	39	lb.....	34	43		
25 lb.....	20	29	40	lb.....	35	44		
26 lb.....	21	30	41	lb.....	36	45		
27 lb.....	22	31	42	lb.....	37	46		
28 lb.....	23	32	43	lb.....	38	47		
29 lb.....	24	33	44	lb.....	39	48		
30 lb.....	25	34	45	lb.....	40	49		
31 lb.....	26	35	46	lb.....	41	50		
32 lb.....	27	36	47	lb.....	42	51		
33 lb.....	28	37	48	lb.....	43	52		
34 lb.....	29	38	49	lb.....	44	53		
35 lb.....	30	39	50	lb.....	45	54		

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bought last spring of Messrs. Meyer & Stisser, Light Street, Baltimore, twenty-five April hatched day old white Wyandotte hens, which were shipped to Tipers by steamer on Sunday afternoon, reaching here early Monday, they were the finest lot and packed I ever saw, reached me in fine condition. I raised twenty-three, shipped 13 roosters which sold for \$11.00; now have twelve and two roosters, as fine birds as ever come out of an egg. Mr. C. C. Thrift can beat in pigs, but how about these pretty little chicks.—Taken from a Virginia Weekly Newspaper.

gentlemen: From one-half bushel Meyer & Stisser Giant Stringless Beans I picked 424 bushels of fine beans which netted me \$0.

JAMES R. BENSON, Brooklyn, Md.

